

FIG. 1

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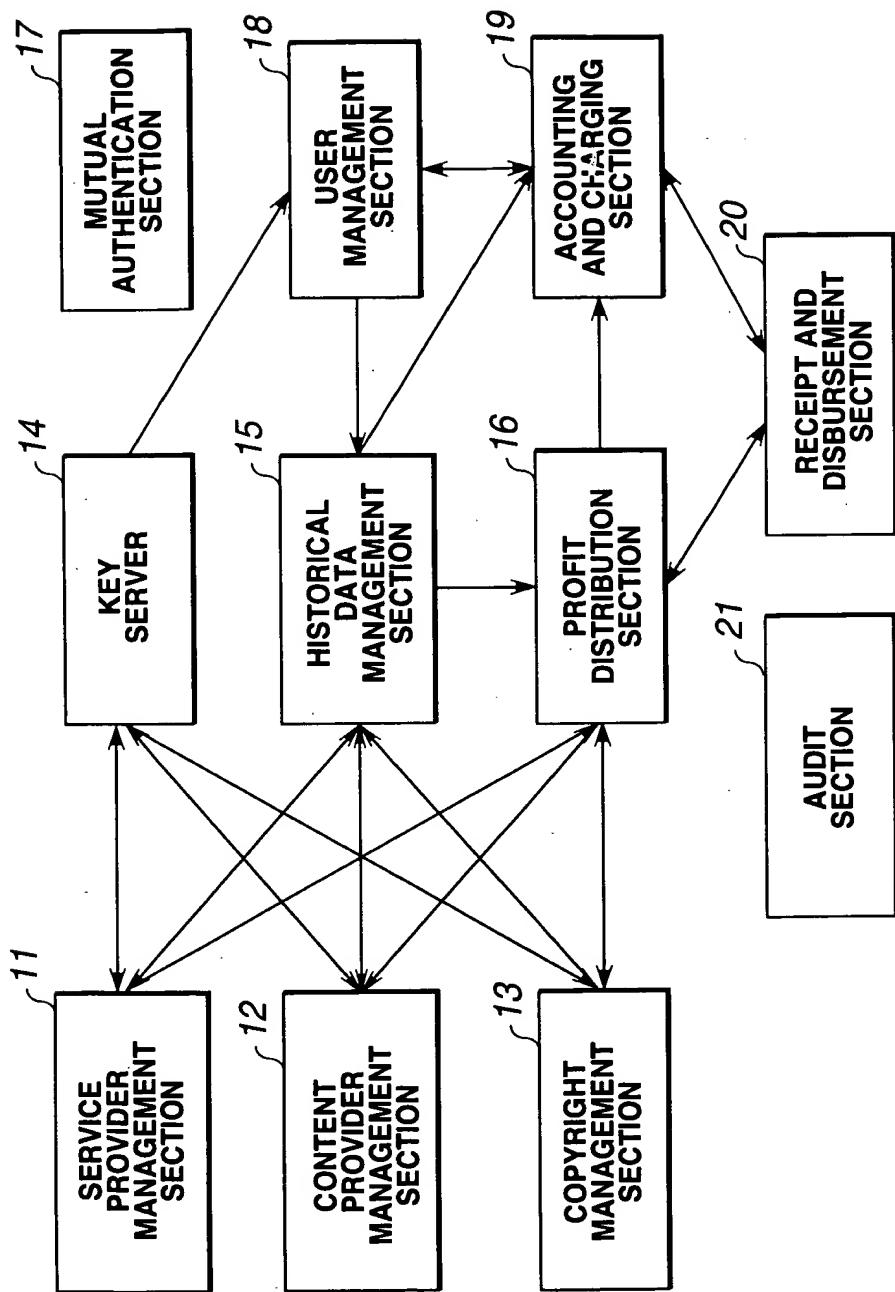
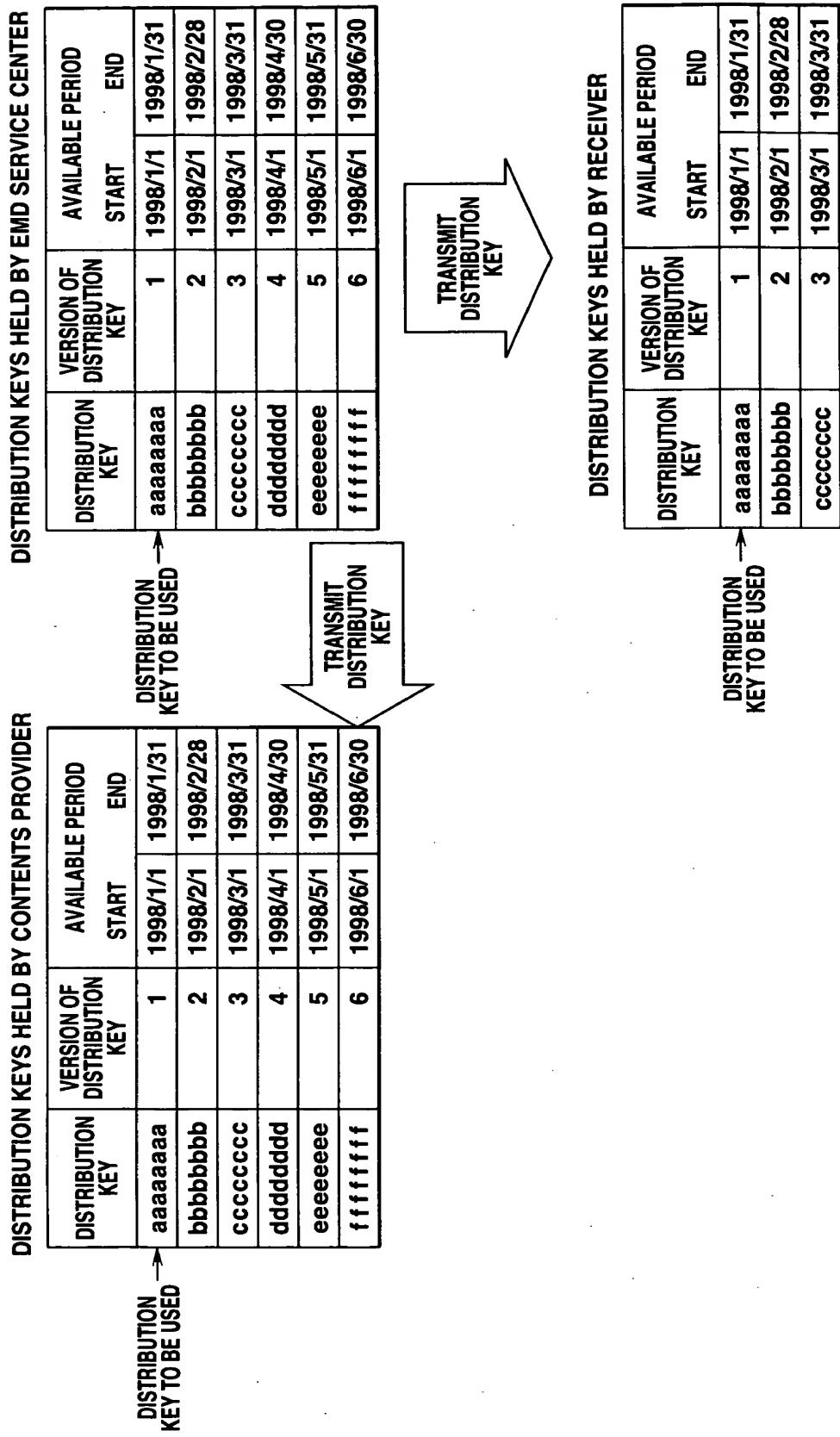


FIG. 2

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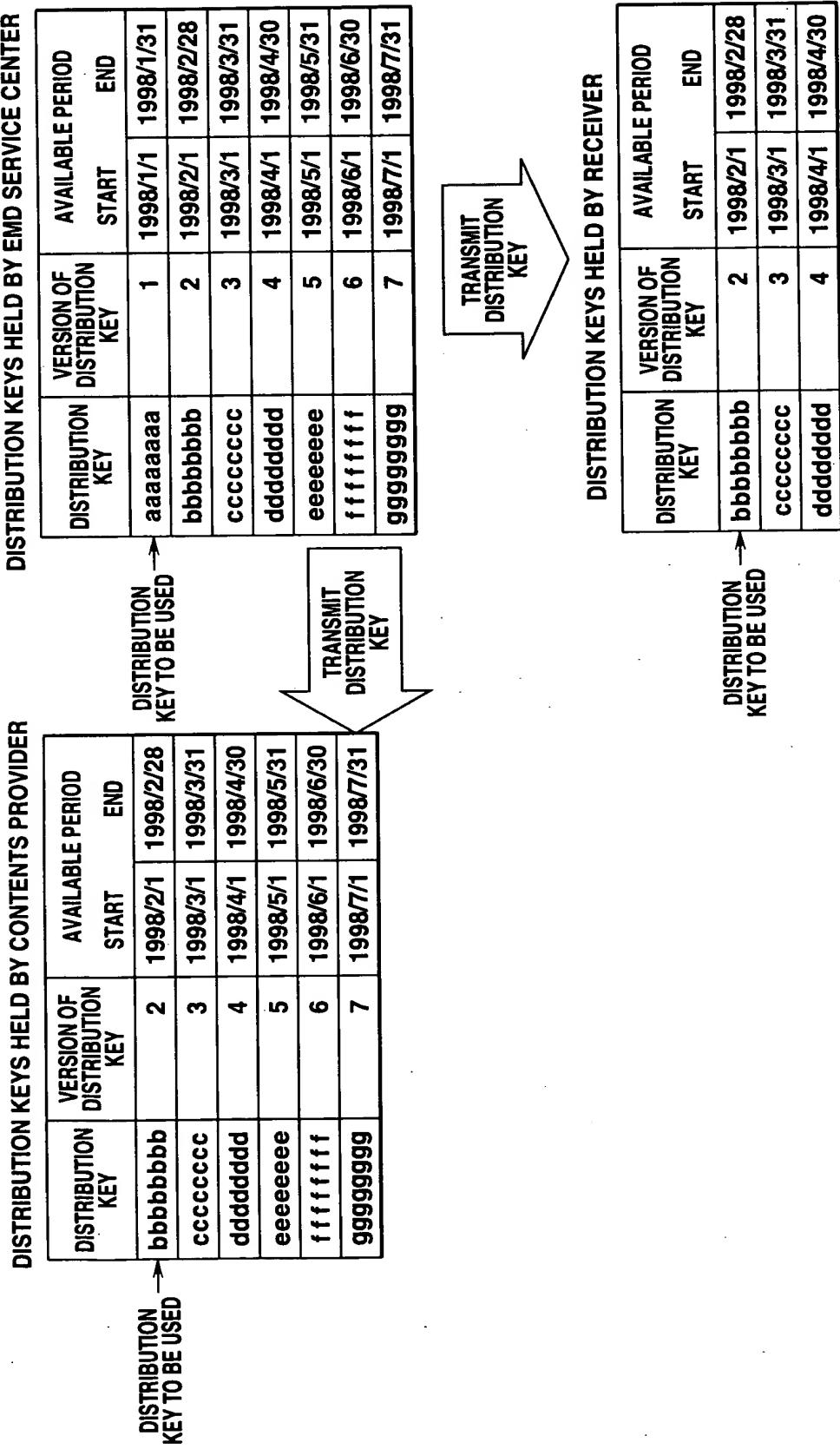
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**FIG.3**

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**FIG.4**

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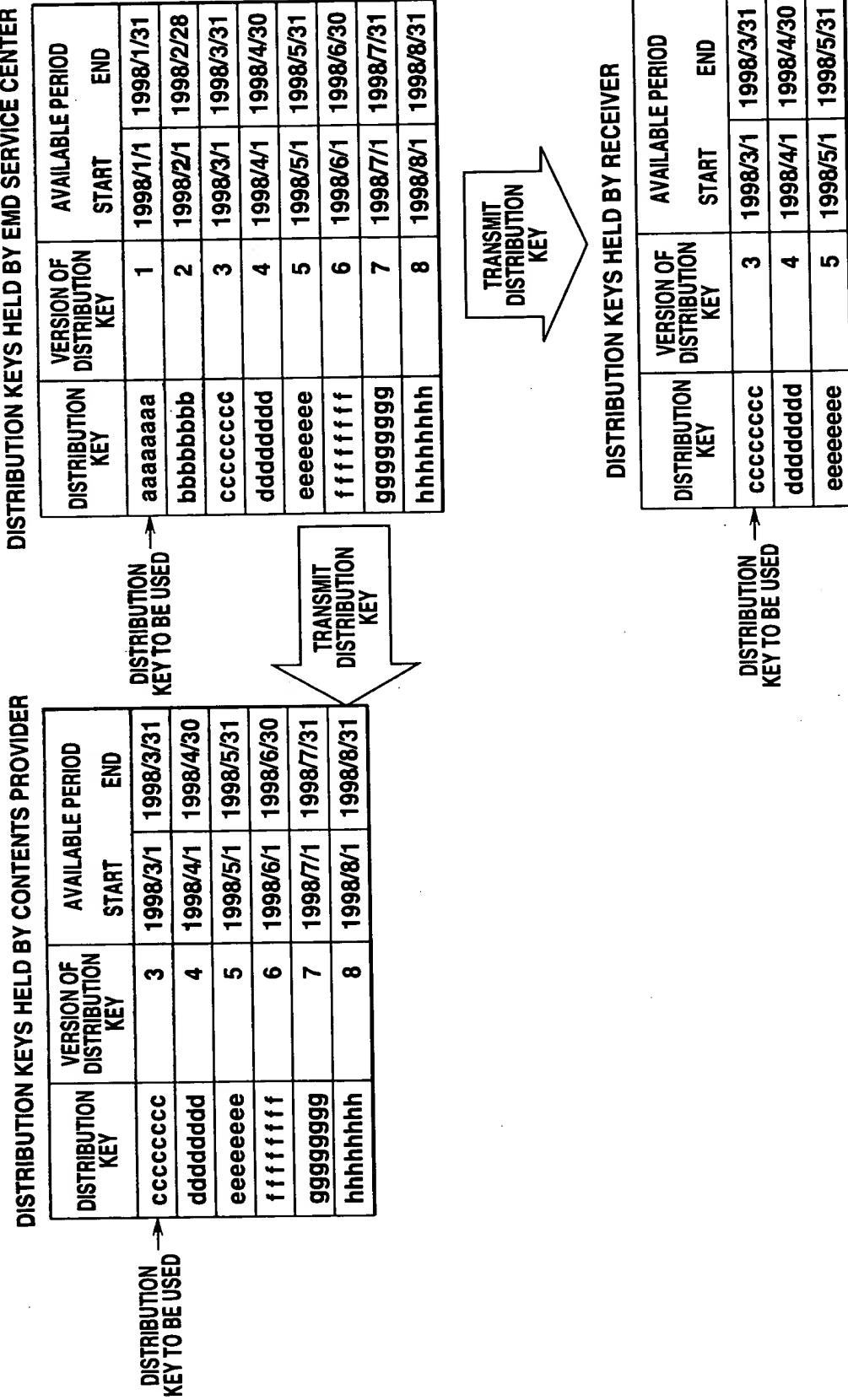


FIG.5

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DISTRIBUTION KEYS HELD BY CONTENTS PROVIDER

DISTRIBUTION KEY	VERSION OF DISTRIBUTION KEY	AVAILABLE PERIOD START	AVAILABLE PERIOD END
dddddd	4	1998/4/1	1998/4/30
eeeeee	5	1998/5/1	1998/5/31
fffff	6	1998/6/1	1998/6/30
gggggg	7	1998/7/1	1998/7/31
hhhhh	8	1998/8/1	1998/8/31
iiiii	9	1998/9/1	1998/9/30

DISTRIBUTION KEY TO BE USED →

DISTRIBUTION KEYS HELD BY EMD SERVICE CENTER

DISTRIBUTION KEY	VERSION OF DISTRIBUTION KEY	AVAILABLE PERIOD START	AVAILABLE PERIOD END
aaaaaaaa	1	1998/1/1	1998/1/31
bbbbbbb	2	1998/2/1	1998/2/28
ccccccc	3	1998/3/1	1998/3/31
ddddd	4	1998/4/1	1998/4/30
eeeeeee	5	1998/5/1	1998/5/31
fffffff	6	1998/6/1	1998/6/30
ggggggg	7	1998/7/1	1998/7/31
hhhhhh	8	1998/8/1	1998/8/31
iiiiii	9	1998/9/1	1998/9/30

DISTRIBUTION KEY TO BE USED →

TRANSMIT DISTRIBUTION KEY



DISTRIBUTION KEYS HELD BY RECEIVER

DISTRIBUTION KEY	VERSION OF DISTRIBUTION KEY	AVAILABLE PERIOD START	AVAILABLE PERIOD END
ddddd	4	1998/4/1	1998/4/30
eeeeee	5	1998/5/1	1998/5/31
fffffff	6	1998/6/1	1998/6/30

DISTRIBUTION KEY TO BE USED →

FIG.6

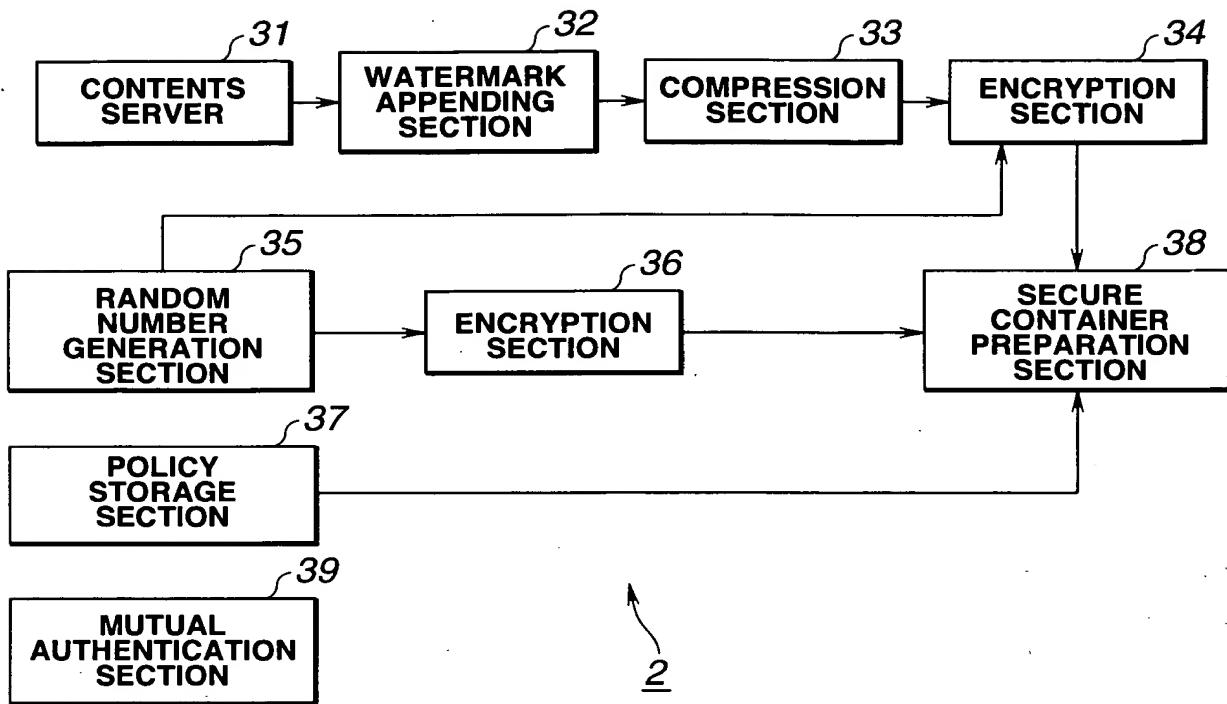
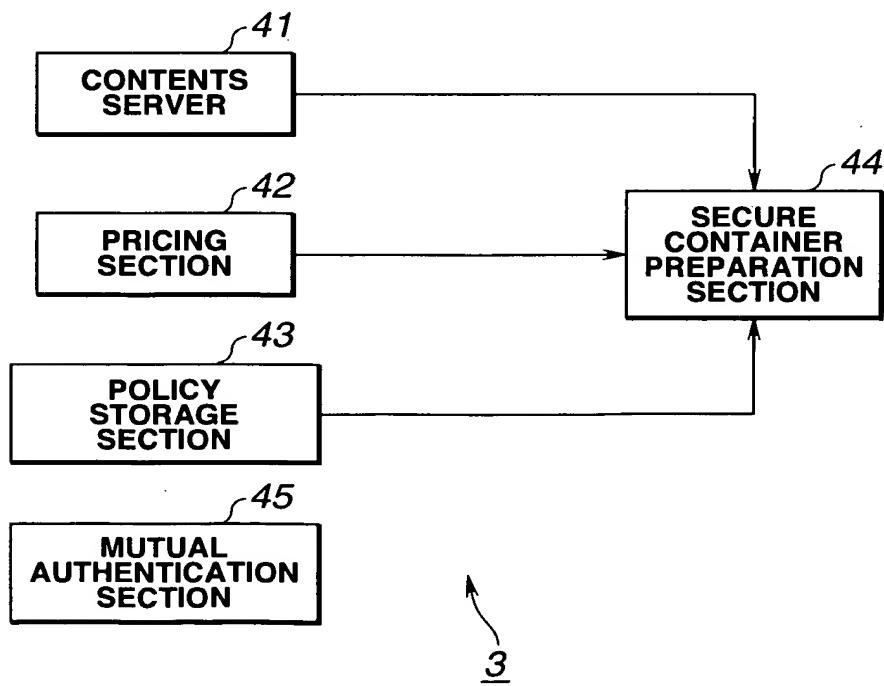
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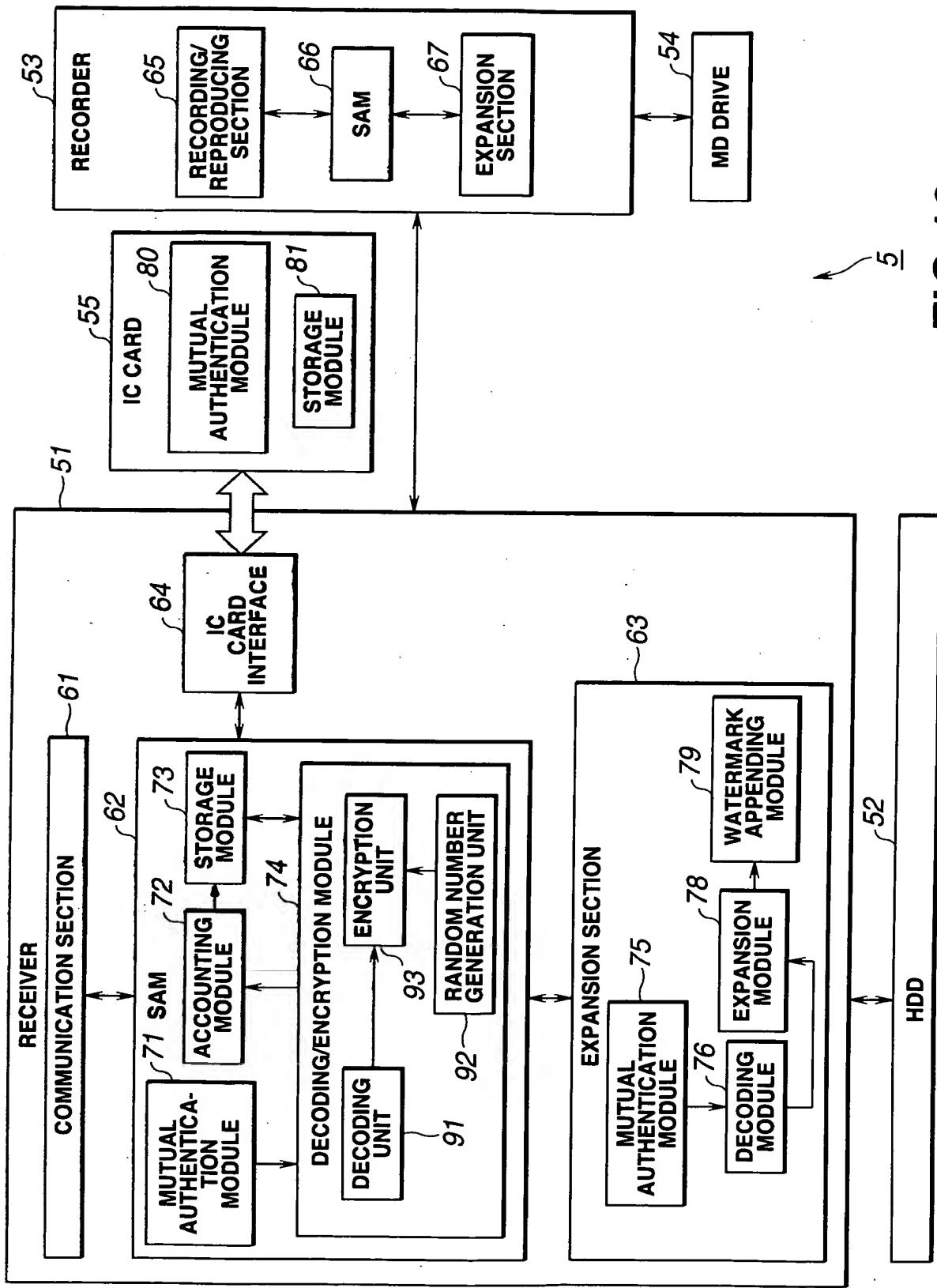
ID	SETTLEMENT PROCESSING	REGISTRATION	CONNECTION WITH EMD SERVICE CENTER
000000000000000001h	POSSIBLE	POSSIBLE	POSSIBLE
000000000000000002h	POSSIBLE	POSSIBLE	IMPOSSIBLE
000000000000000003h	POSSIBLE	IMPOSSIBLE	POSSIBLE
000000000000000004h	POSSIBLE	IMPOSSIBLE	IMPOSSIBLE
000000000000000005h	IMPOSSIBLE	POSSIBLE	POSSIBLE
000000000000000006h	IMPOSSIBLE	POSSIBLE	IMPOSSIBLE
000000000000000007h	IMPOSSIBLE	IMPOSSIBLE	POSSIBLE
000000000000000008h	IMPOSSIBLE	IMPOSSIBLE	IMPOSSIBLE
000000000000000009h	POSSIBLE	POSSIBLE	POSSIBLE
• • •			
FFFFFFFFFFFFFFFEh	POSSIBLE	IMPOSSIBLE	IMPOSSIBLE
FFFFFFFFFFFFFFFh	IMPOSSIBLE	POSSIBLE	POSSIBLE

FIG.7

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**FIG.8****FIG.9**

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**FIG. 10**

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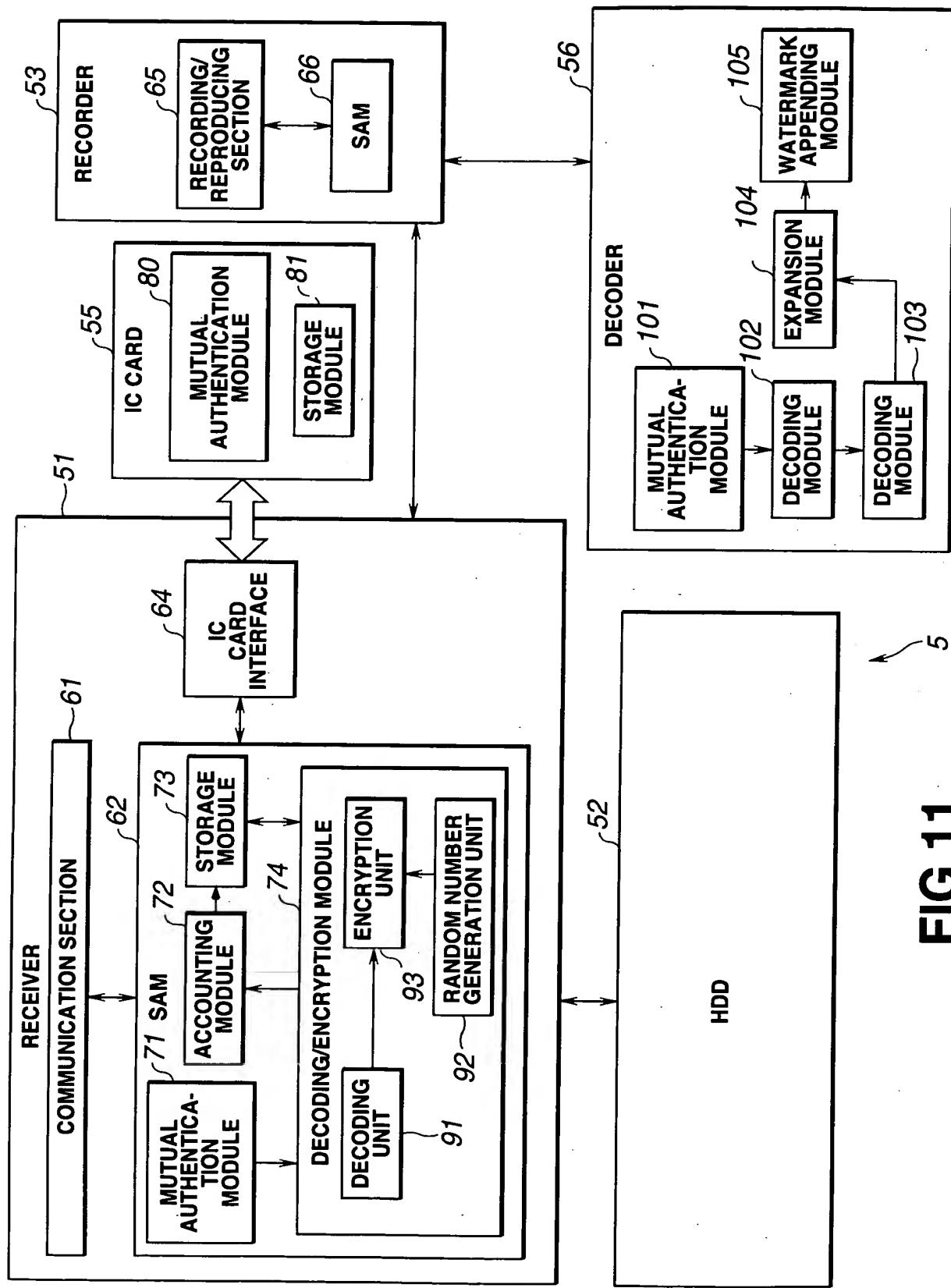


FIG.11

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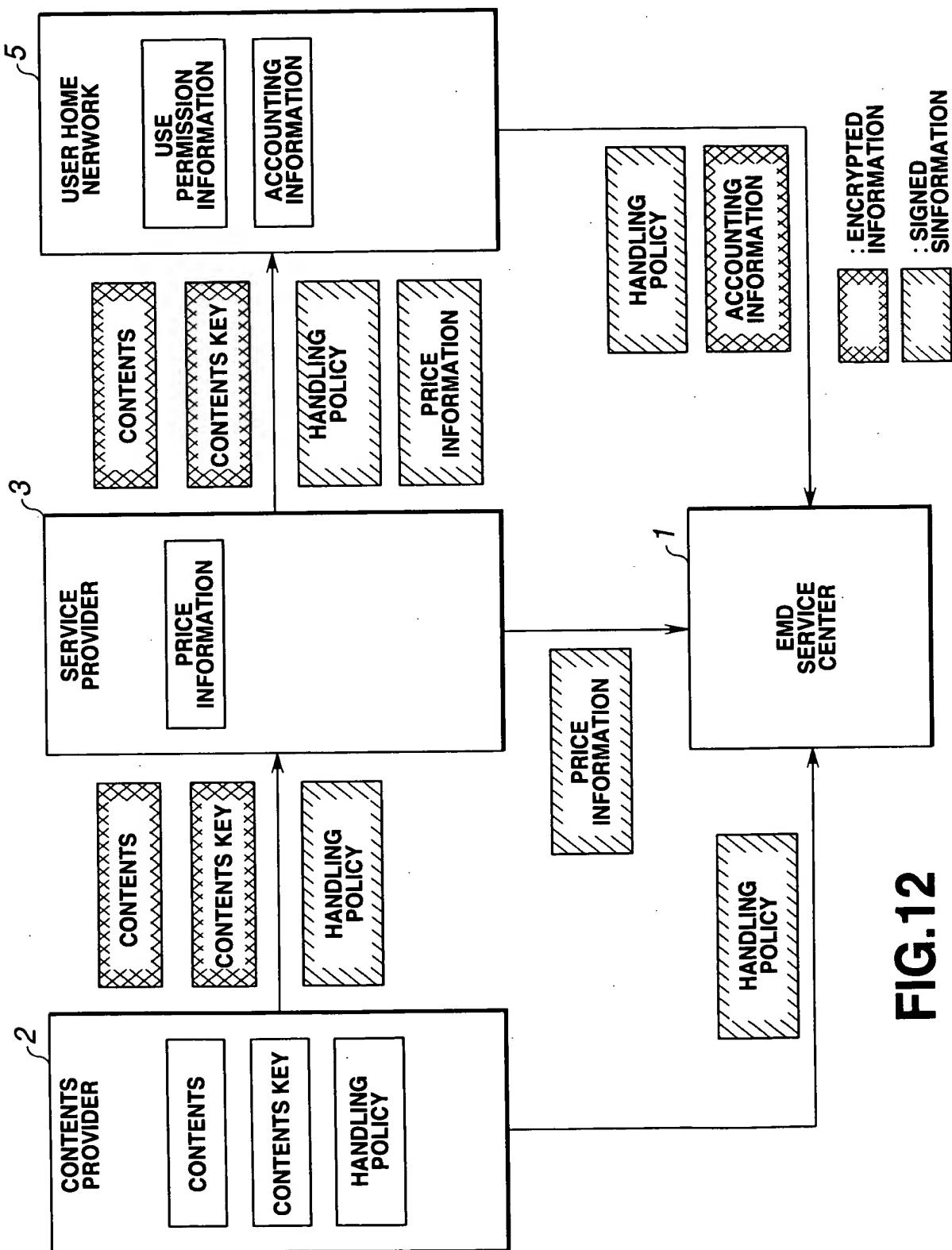
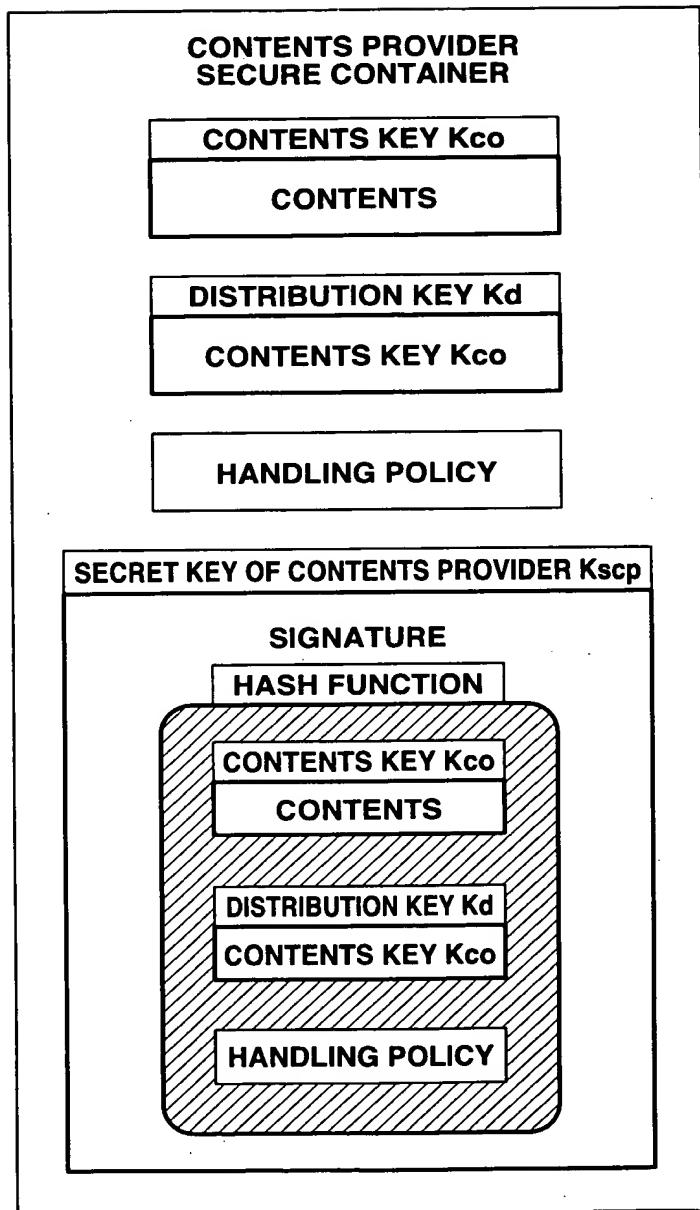


FIG.12

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**FIG.13**

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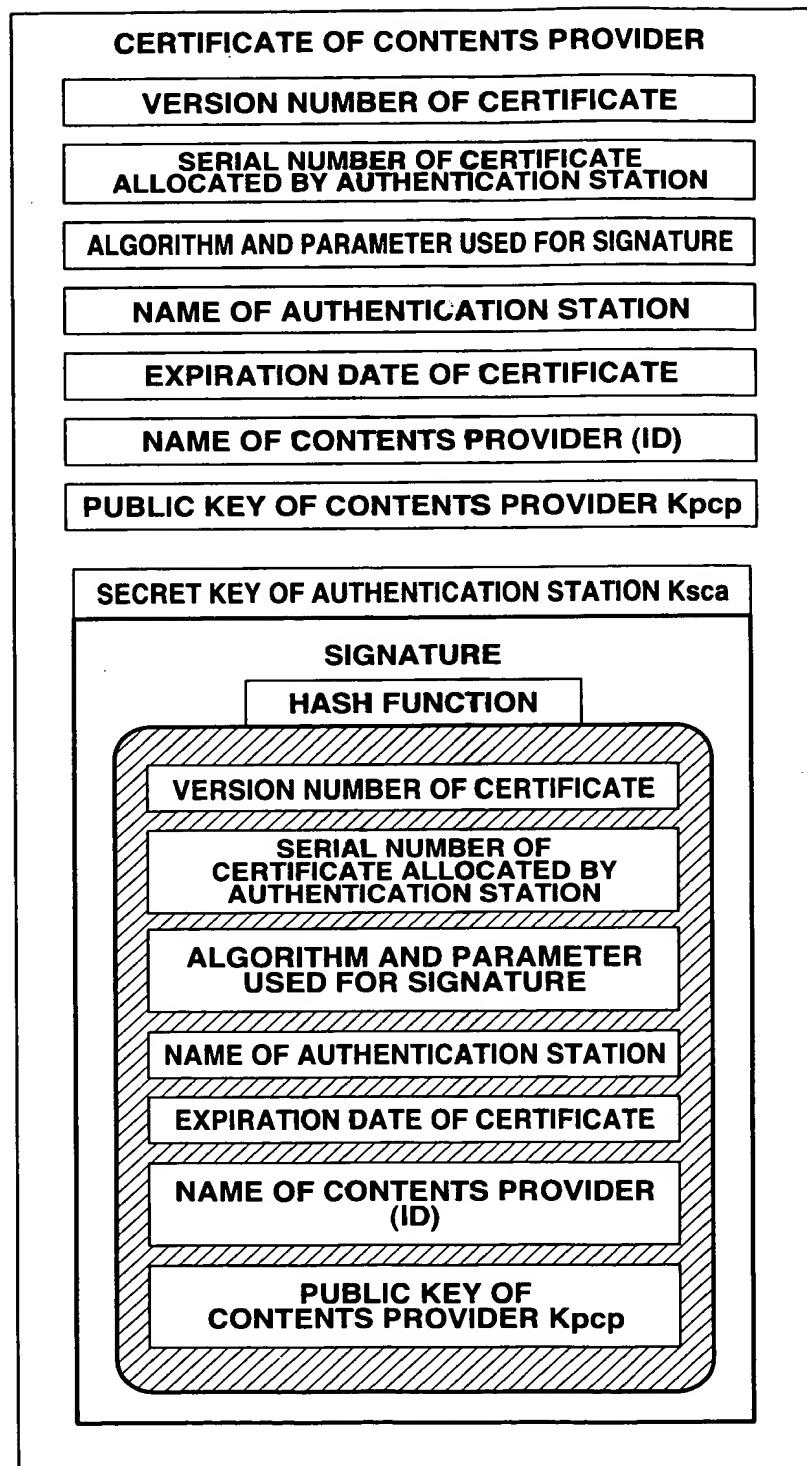
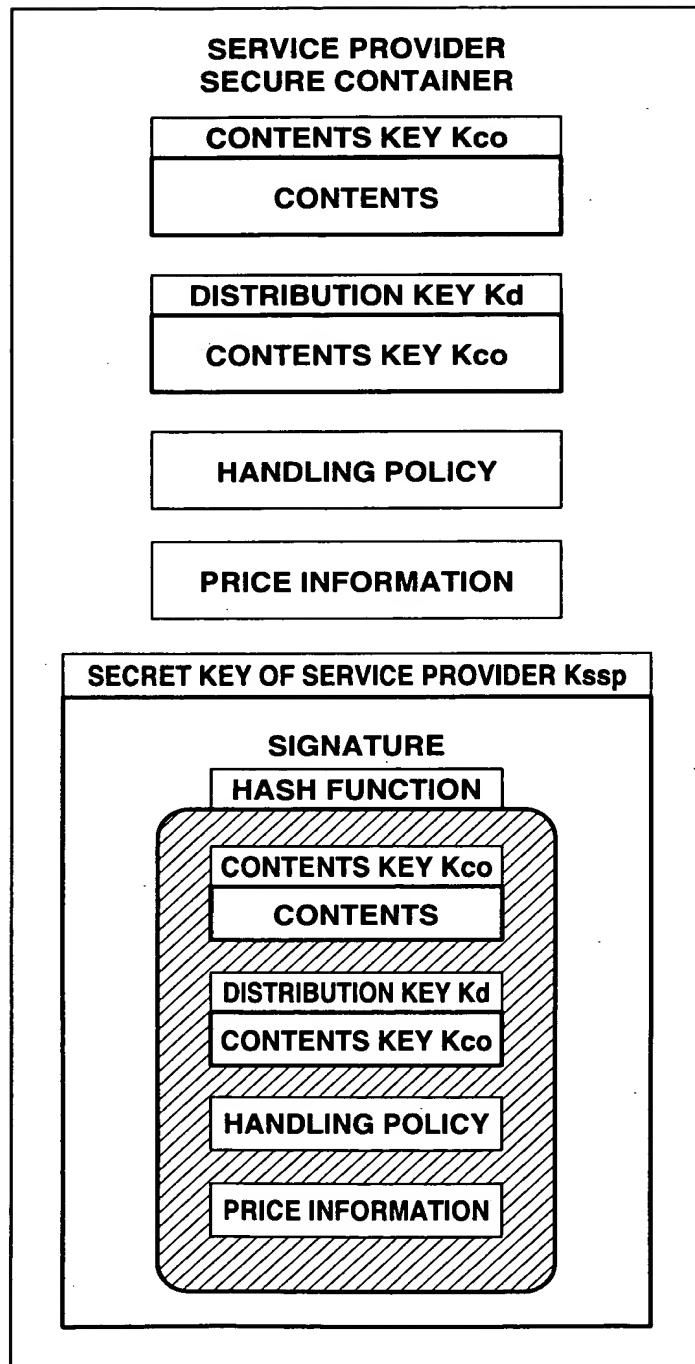


FIG.14

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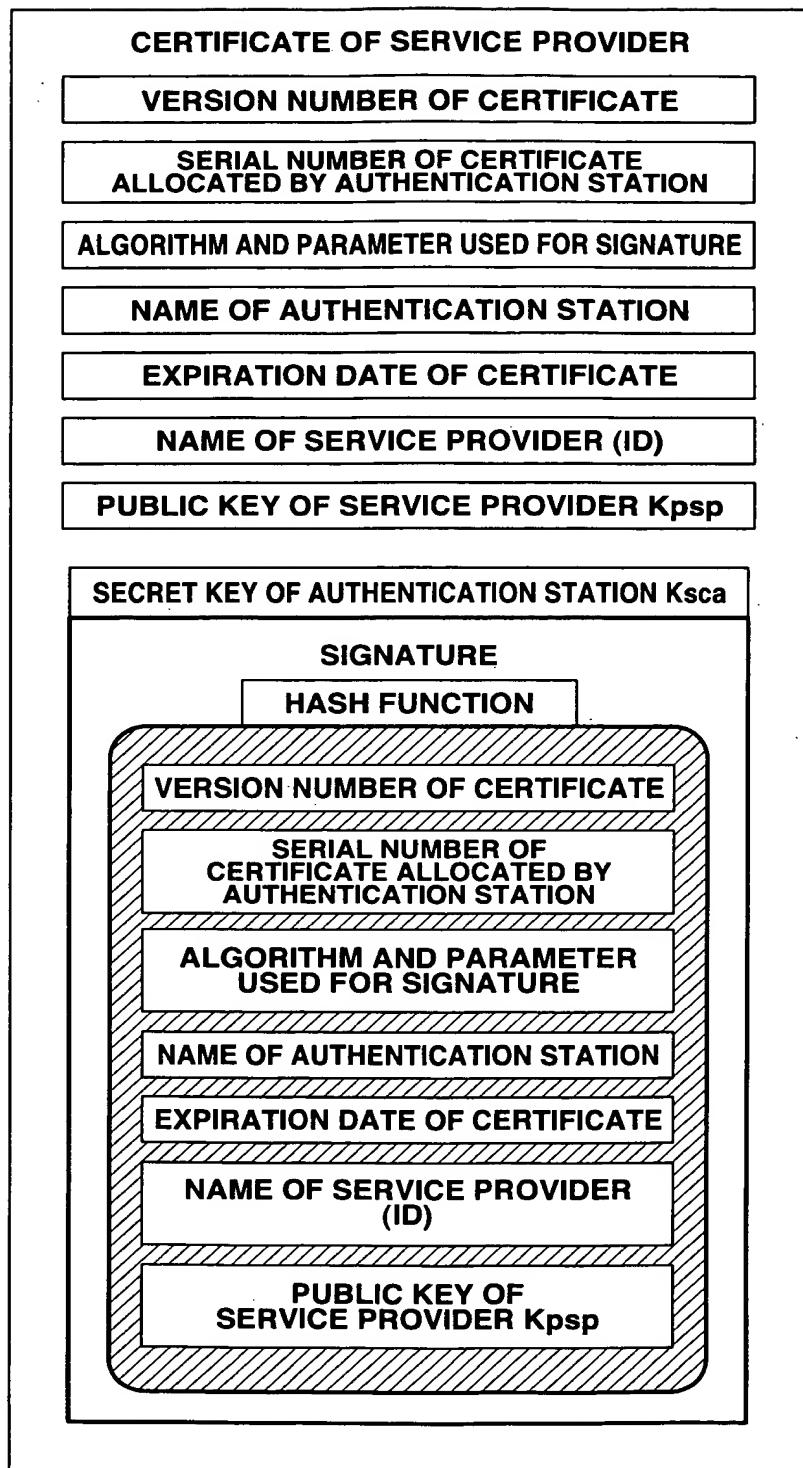
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**FIG.15**

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**FIG.16**

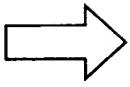
09/581583-0980700

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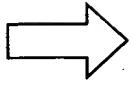
**FIG. 17A** HANDLING POLICY

USE	PLAYBACK	SINGLE COPY	MULTIPLE COPY
AVAILABILITY	1	0	1



**FIG. 17B** HANDLING POLICY AND PRICE INFORMATION

USE	PLAYBACK	SINGLE COPY	MULTIPLE COPY
AVAILABILITY	1	0	1
PRICE	150YEN	-	80YEN



**FIG. 17C** USE PERMISSION INFORMATION

USE	PLAYBACK	SINGLE COPY	MULTIPLE COPY
AVAILABILITY	1	0	0

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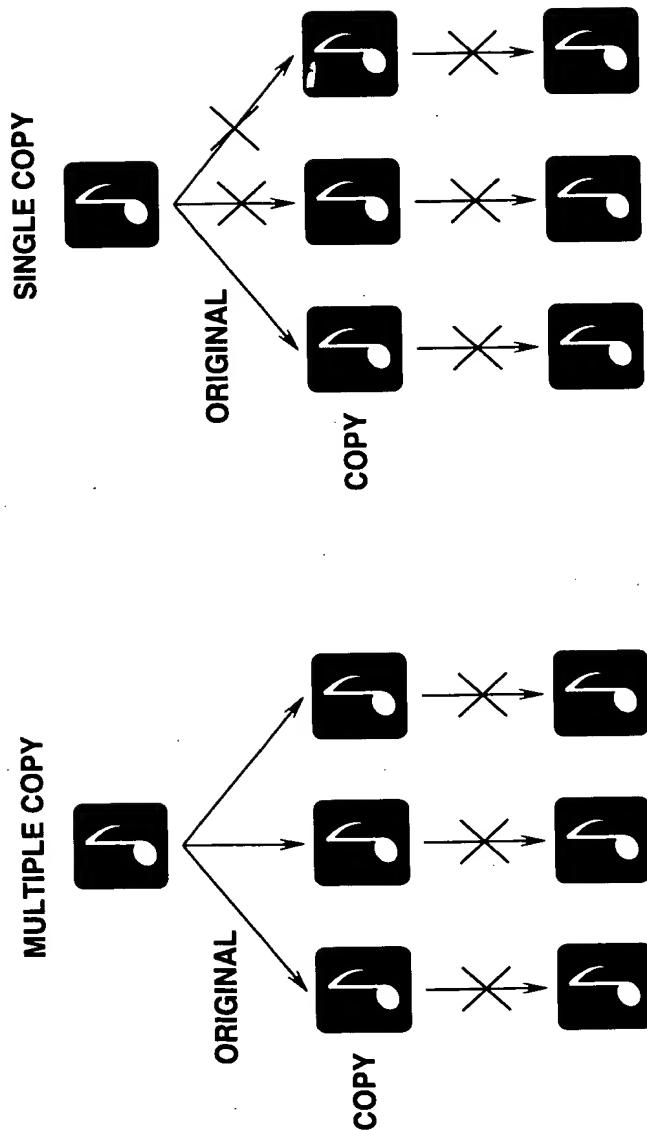


FIG.18B

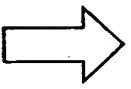
FIG.18A

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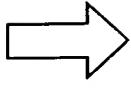
**FIG.19A**  
HANDLING  
POLICY AND  
PROFIT  
DISTRIBUTION

USE	PLAYBACK	SINGLE COPY	MULTIPLE COPY
AVAILABILITY	1	0	1
PROFIT DISTRIBUTION	70YEN	-	40YEN



**FIG.19B**  
HANDLING  
POLICY, PROFIT  
DISTRIBUTION  
AND PRICE  
INFORMATION

USE	PLAYBACK	SINGLE COPY	MULTIPLE COPY
AVAILABILITY	1	0	1
PROFIT DISTRIBUTION	60YEN	-	30YEN
DISTRIBUTION PRICE	150YEN	-	80YEN



**FIG.19C**  
ACCOUNTING  
INFORMATION

USE	PLAYBACK	SINGLE COPY	MULTIPLE COPY
NUMBER OF TIMES OF USE	1	0	0

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PLAY BACK			
USE	UNLIMITED	LIMITED BY NUMBER OF TIMES	LIMITED BY DATE
-	-	5	1998/12/31
PRICE	-	60 YEN	90 YEN

**FIG.20A**  
HANDLING  
POLICY AND  
PRICE  
INFORMATION

PLAYBACK			
USE	UNLIMITED	LIMITED BY NUMBER OF TIMES	LIMITED BY DATE
-	-	5	

**FIG.20B**  
USE  
PERMISSION  
INFORMATION

PLAYBACK			
USE	UNLIMITED	LIMITED BY NUMBER OF TIMES	LIMITED BY DATE
-	-	2	

**FIG.20C**  
USE  
PERMISSION  
INFORMATION

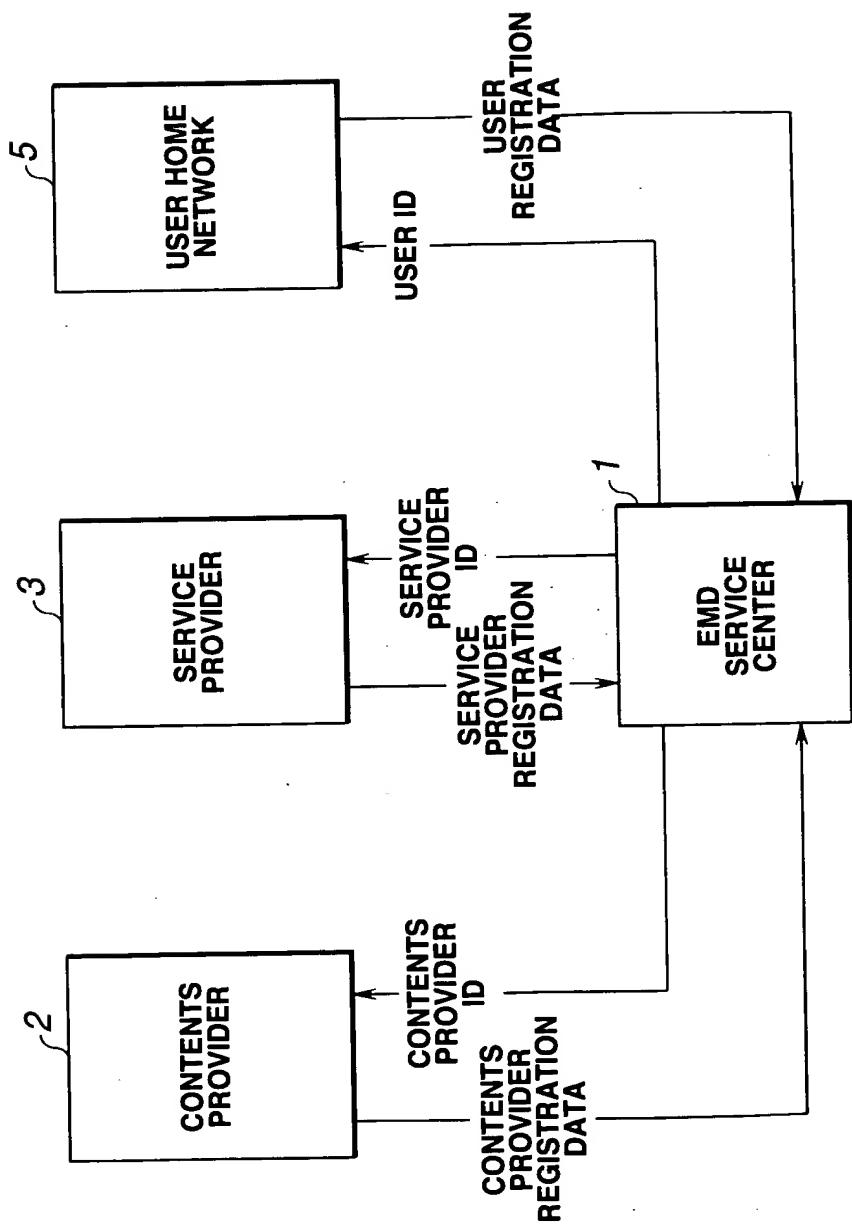


FIG.21

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CONTENTS ID	CONTENTS PROVIDER ID	ENTITLED ORGANIZATION
1	201	10%
2	201	20%

**FIG.22**

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PROVIDER ID	CONTENTS ID	DISCOUNT RATE	PERIOD
CONTENTS PROVIDER 1	1	2%	1998.9~1998.12
	2	3%	
	ALL CONTENTS	1%	
CONTENTS PROVIDER 2	3	5%	
SERVICE PROVIDER 1	1	3%	
SERVICE PROVIDER 2	4	1%	

FIG.23

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MONTHLY FIXED RATE		VARIABLE RATE	
1000YEN	PERIOD	1998.8～1998.9	-10%
	FEE	3000YEN OR MORE	-5%

**FIG.24**

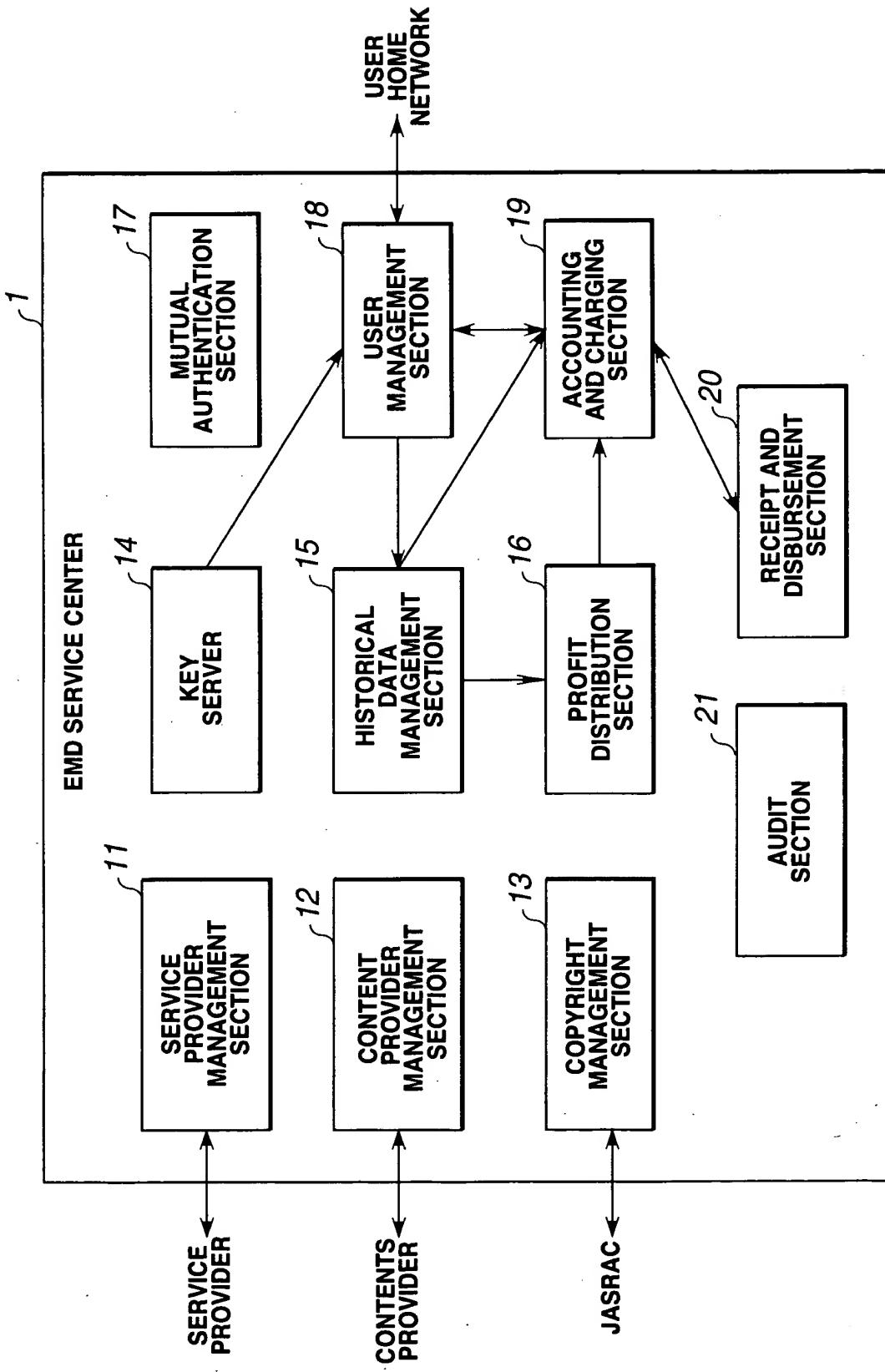


FIG.25

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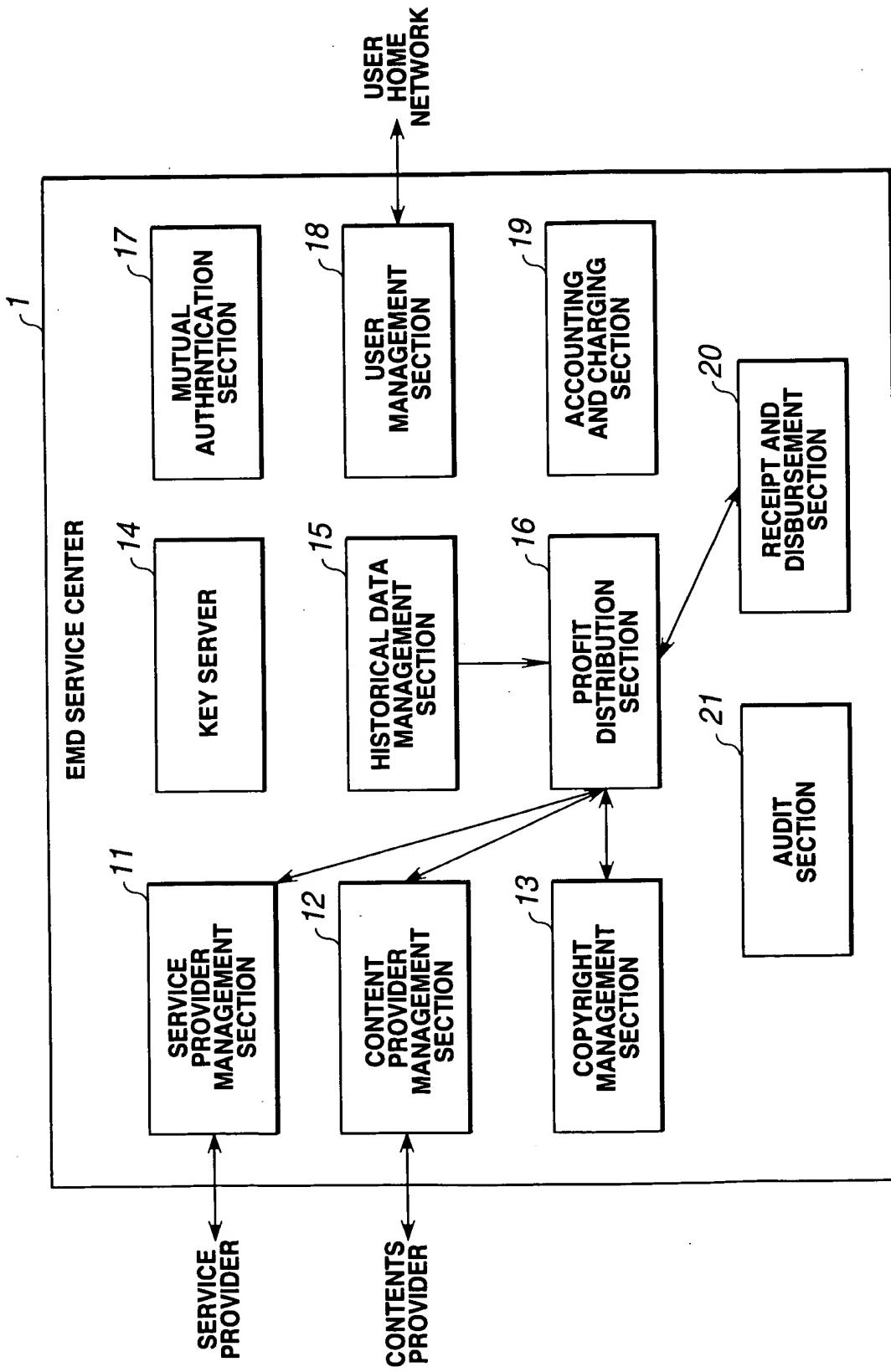


FIG.26

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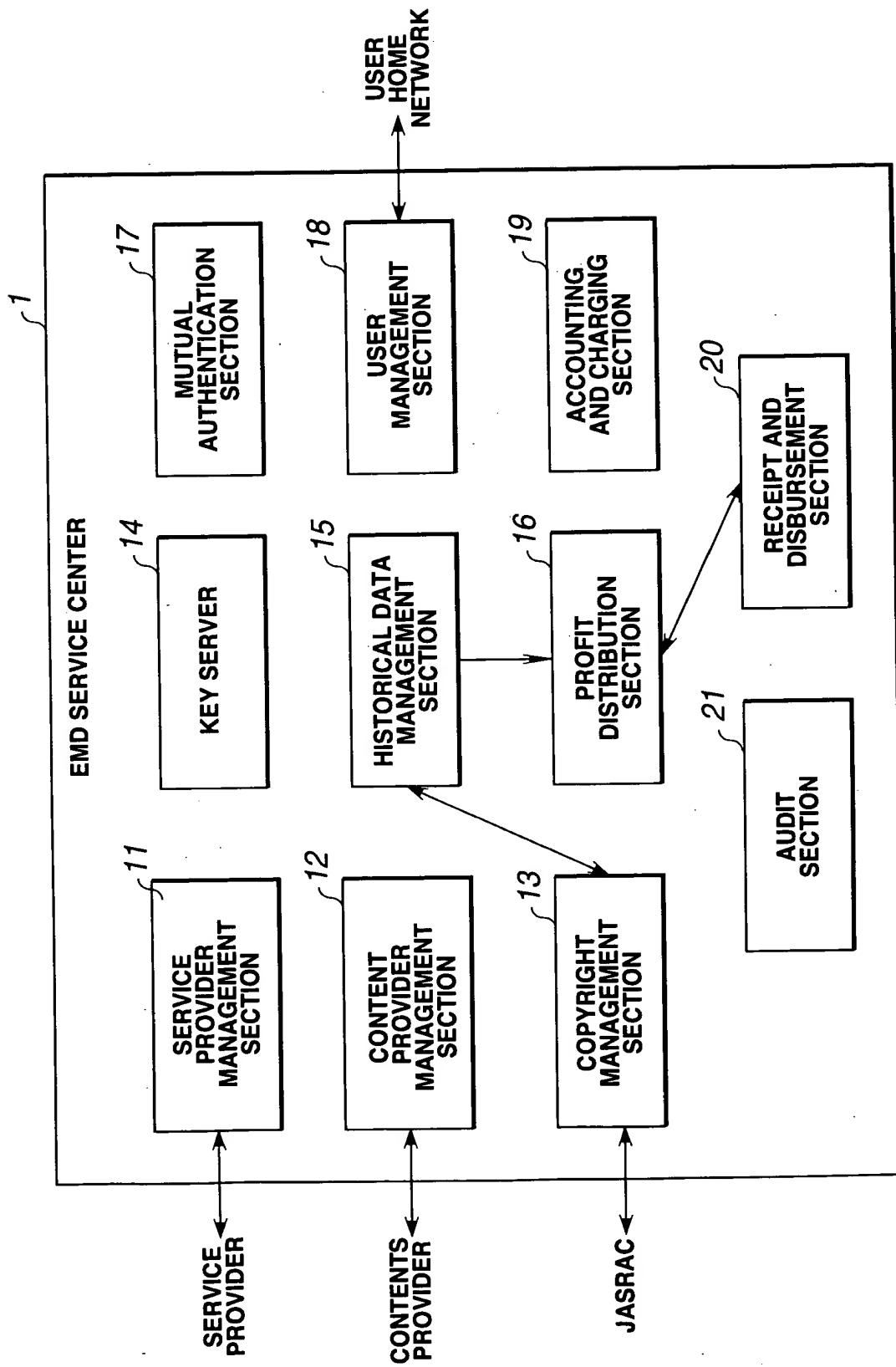


FIG.27

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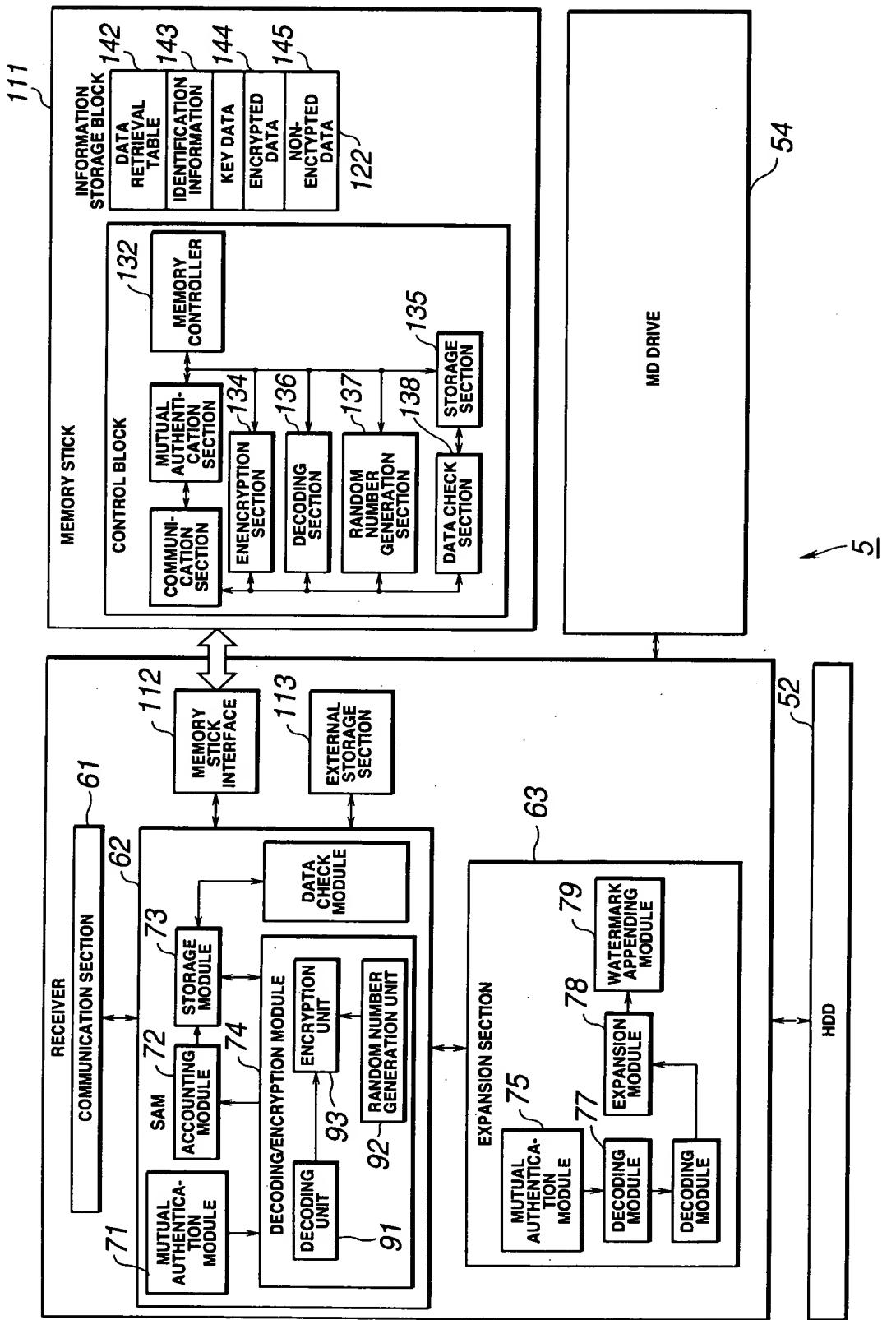


FIG. 28

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KEY DATA BLOCK 1	CONTENTS ID 1	USE PERMISSION INFORMATION 1	CONTENTS KEY 2	CONTENTS ID 2	USE PERMISSION INFORMATION 2
KEY DATA BLOCK 2	CONTENTS ID 3	USE PERMISSION INFORMATION 3	CONTENTS KEY 4	CONTENTS ID 4	USE PERMISSION INFORMATION 4
KEY DATA BLOCK 3	CONTENTS ID 5	USE PERMISSION INFORMATION 5			
KEY DATA BLOCK 4			CONTENTS KEY 6	CONTENTS ID 6	USE PERMISSION INFORMATION 6
KEY DATA BLOCK 5					

FIG.29

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SECRET KEY				
ACCOUNTING INFORMATION				
SAVE KEY				
DISTRIBUTION KEY				
• • •				
CHECK VALUE 1	CHECK VALUE 2	CHECK VALUE 3	CHECK VALUE 4	CHECK VALUE 5

FIG.30

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KEY DATA BLOCK 1	CONTENTS ID 1	USE PERMISSION INFORMATION 1	CONTENTS KEY 2	CONTENTS ID 2	USE PERMISSION INFORMATION 2
KEY DATA BLOCK 2	CONTENTS ID 3	USE PERMISSION INFORMATION 3	CONTENTS KEY 4	CONTENTS ID 4	USE PERMISSION INFORMATION 4
KEY DATA BLOCK 3	CONTENTS ID 5	USE PERMISSION INFORMATION 5			
KEY DATA BLOCK 4					
KEY DATA BLOCK 5					
CHECK VALUE 1	CHECK VALUE 2	CHECK VALUE 3	CHECK VALUE 4	CHECK VALUE 5	

FIG.31

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<b>SECRET KEY</b>
<b>ACCOUNTING INFORMATION</b>
<b>SAVE KEY</b>
<b>DISTRIBUTION KEY</b>
<b>CHECK KEY</b>
• • •

**FIG.32**

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KEY DATA BLOCK 1	CONTENTS ID 1	USE PERMISSION INFORMATION 1	CONTENTS KEY 2	CONTENTS ID 2	USE PERMISSION INFORMATION 2
KEY DATA BLOCK 2	CONTENTS ID 3	USE PERMISSION INFORMATION 3	CONTENTS KEY 4	CONTENTS ID 4	USE PERMISSION INFORMATION 4
KEY DATA BLOCK 3	CONTENTS ID 5	USE PERMISSION INFORMATION 5			
KEY DATA BLOCK 4	CONTENTS ID 6	USE PERMISSION INFORMATION 6			

FIG.33

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<b>SECRET KEY</b>			
<b>SAVE KEY</b>			
• • •			
<b>CHECK VALUE 1</b>	<b>CHECK VALUE 2</b>	<b>CHECK VALUE 3</b>	<b>CHECK VALUE 4</b>

**FIG.34**

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KEY DATA BLOCK 1	CONTENTS ID 1	USE PERMISSION INFORMATION 1	CONTENTS KEY 2	CONTENTS ID 2	USE PERMISSION INFORMATION 2
KEY DATA BLOCK 2	CONTENTS ID 3	USE PERMISSION INFORMATION 3	CONTENTS KEY 4	CONTENTS ID 4	USE PERMISSION INFORMATION 4
KEY DATA BLOCK 3	CONTENTS KEY 5	USE PERMISSION INFORMATION 5			
KEY DATA BLOCK 4	CONTENTS KEY 6	USE PERMISSION INFORMATION 6			
	CHECK VALUE 1		CHECK VALUE 2	CHECK VALUE 3	CHECK VALUE 4

FIG.35

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<b>SECRET KEY</b>
<b>CHECK KEY</b>
<b>SAVE KEY</b>
• • •

**FIG.36**

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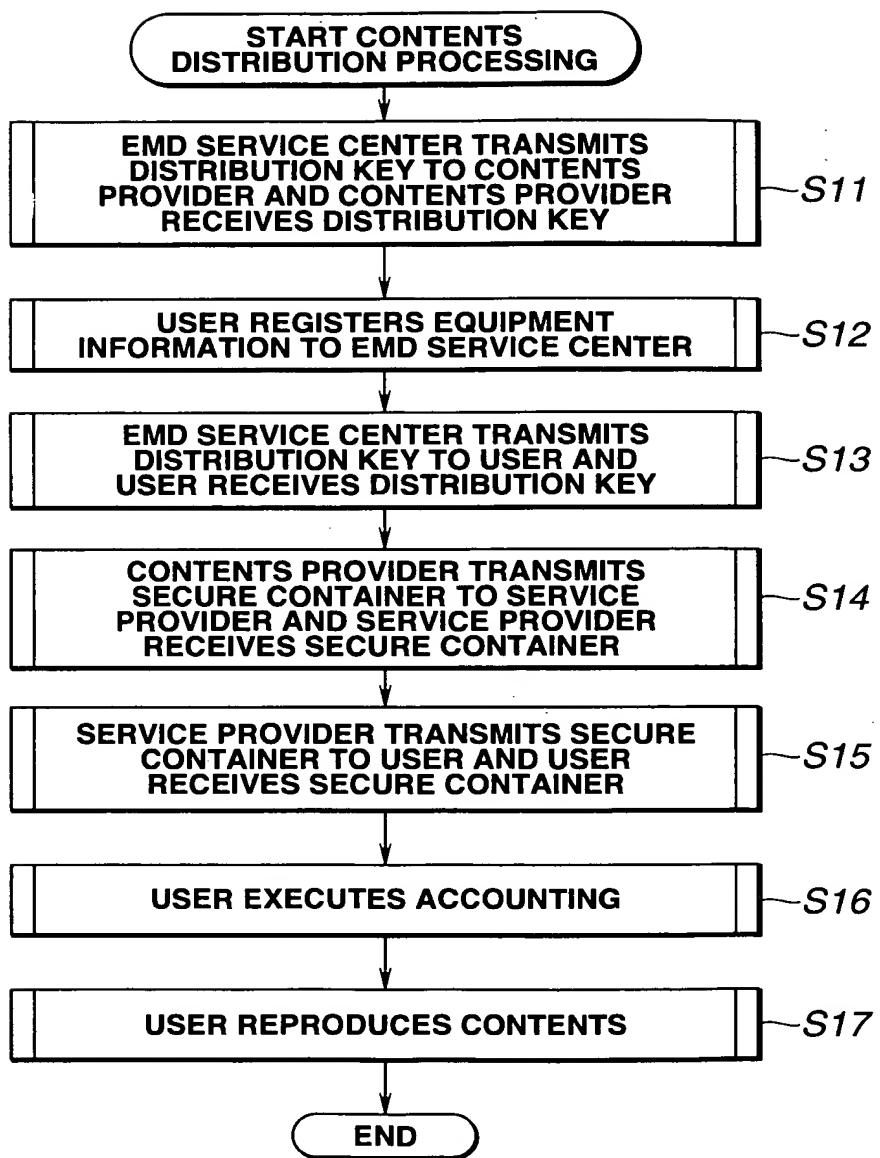


FIG.37

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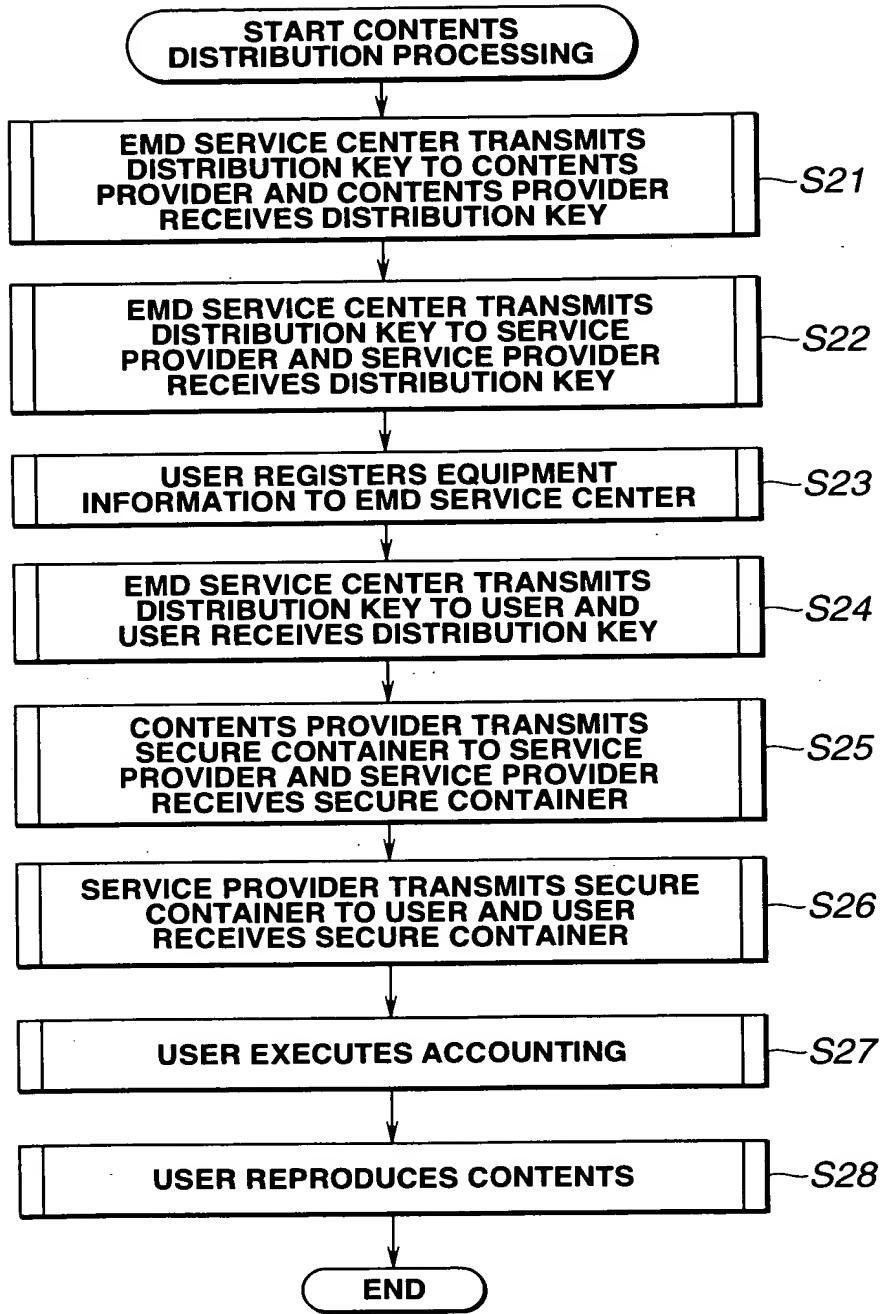
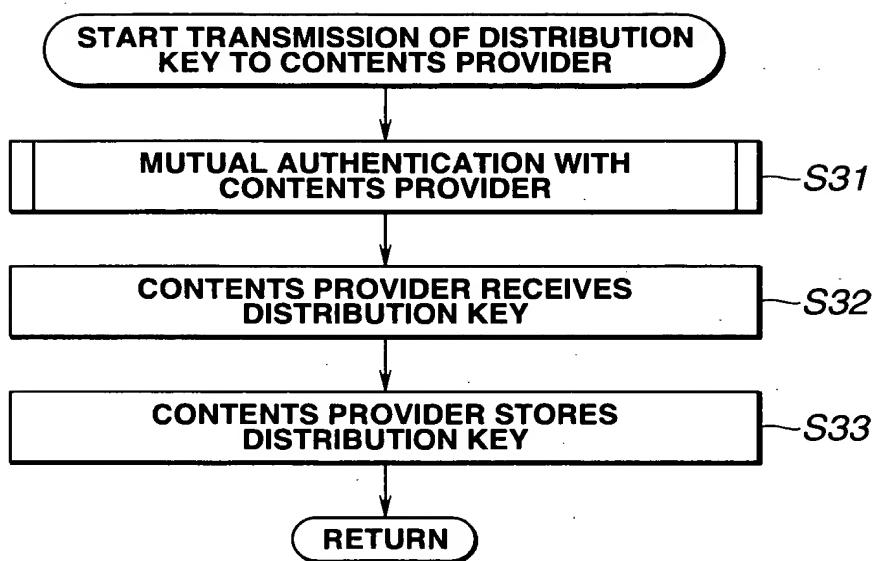


FIG.38

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**FIG.39**

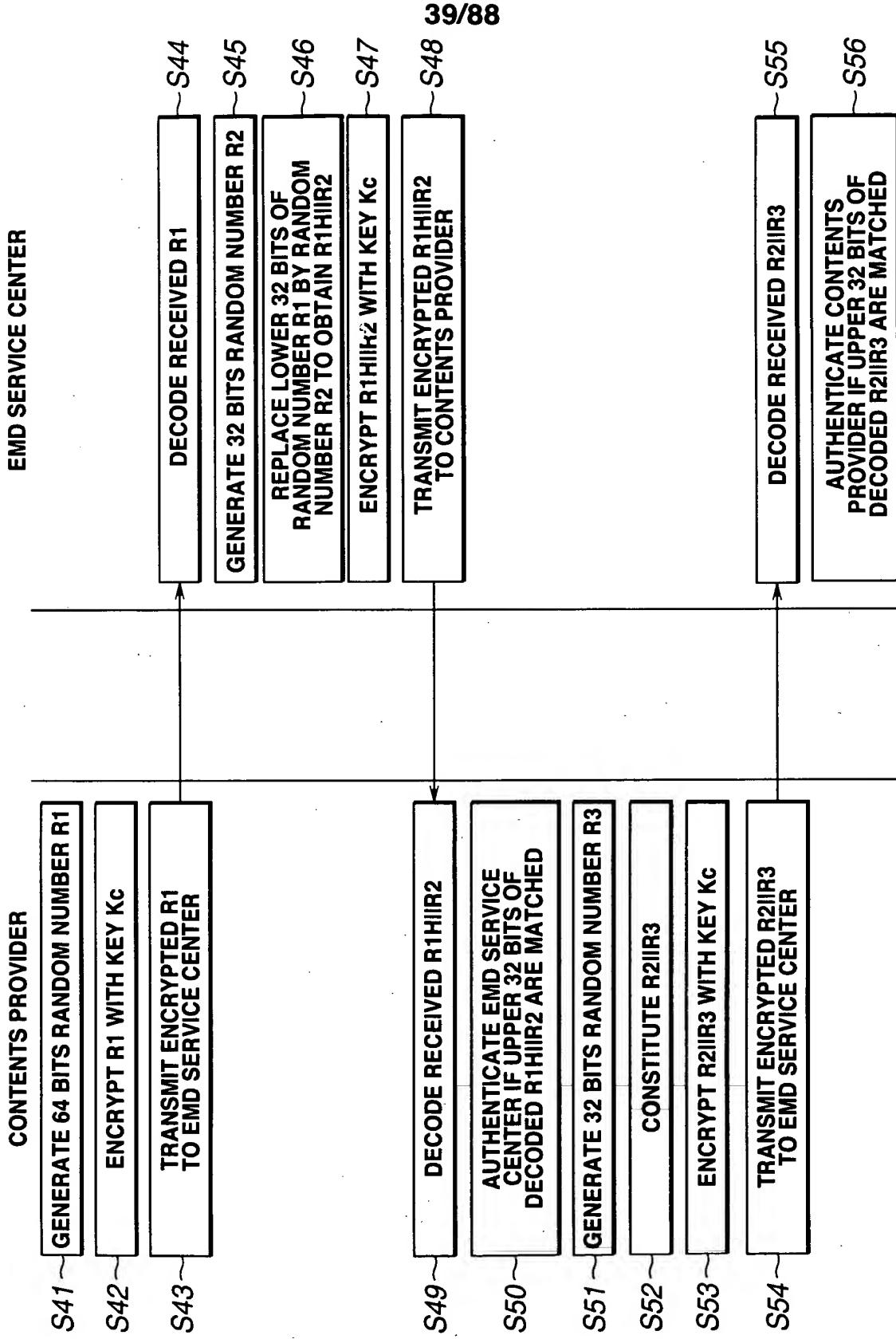


FIG.40

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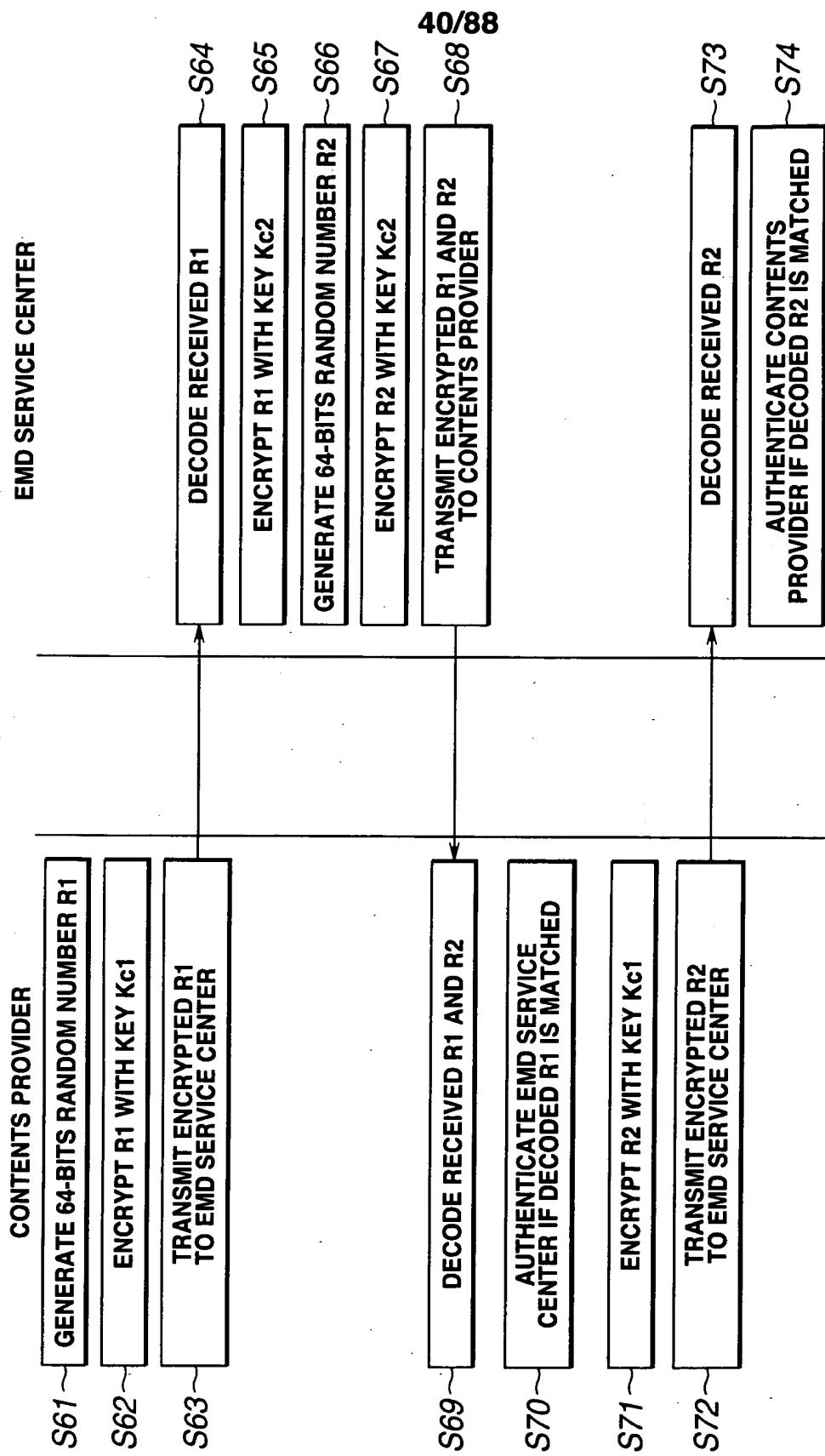
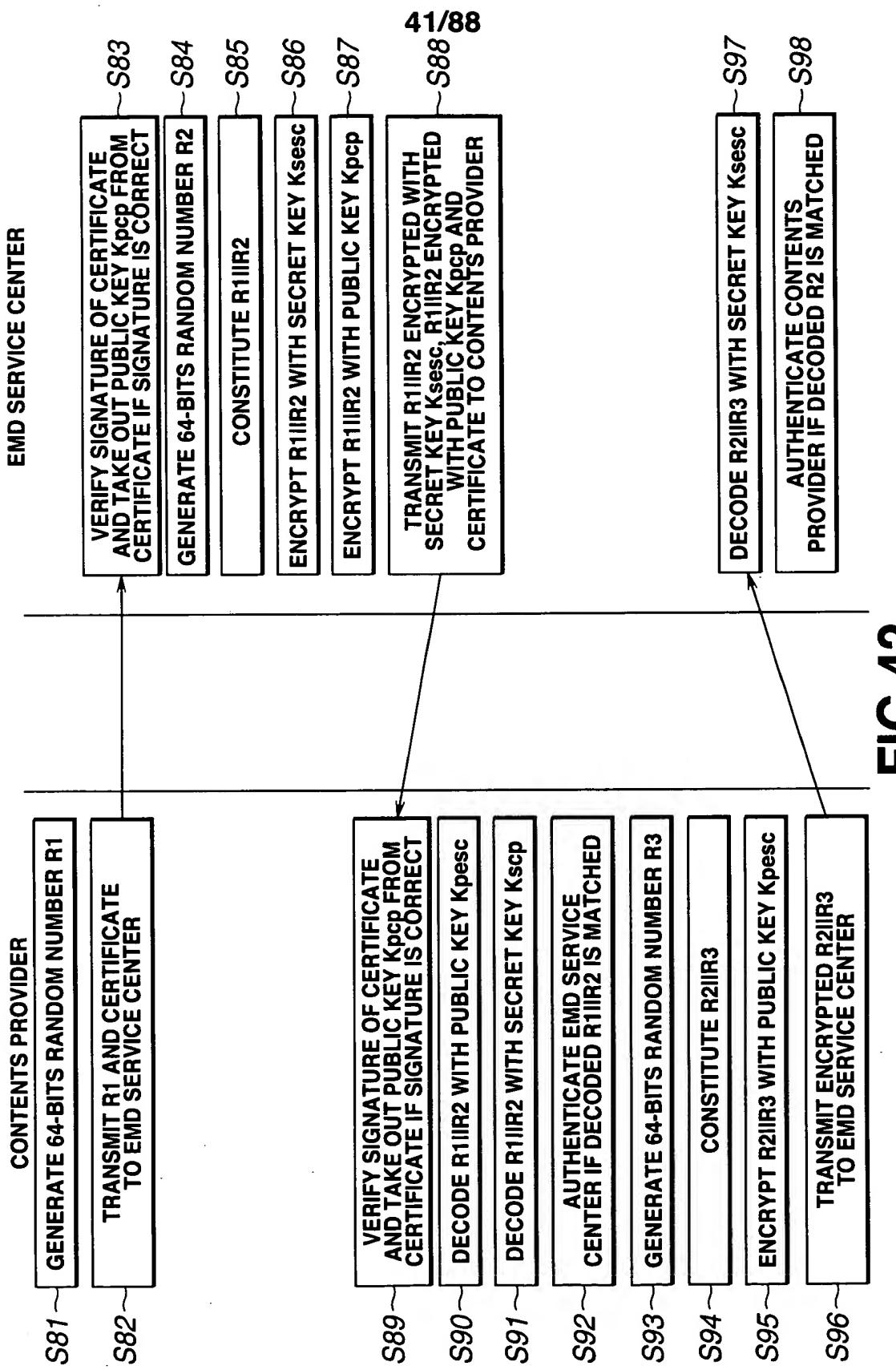


FIG.41

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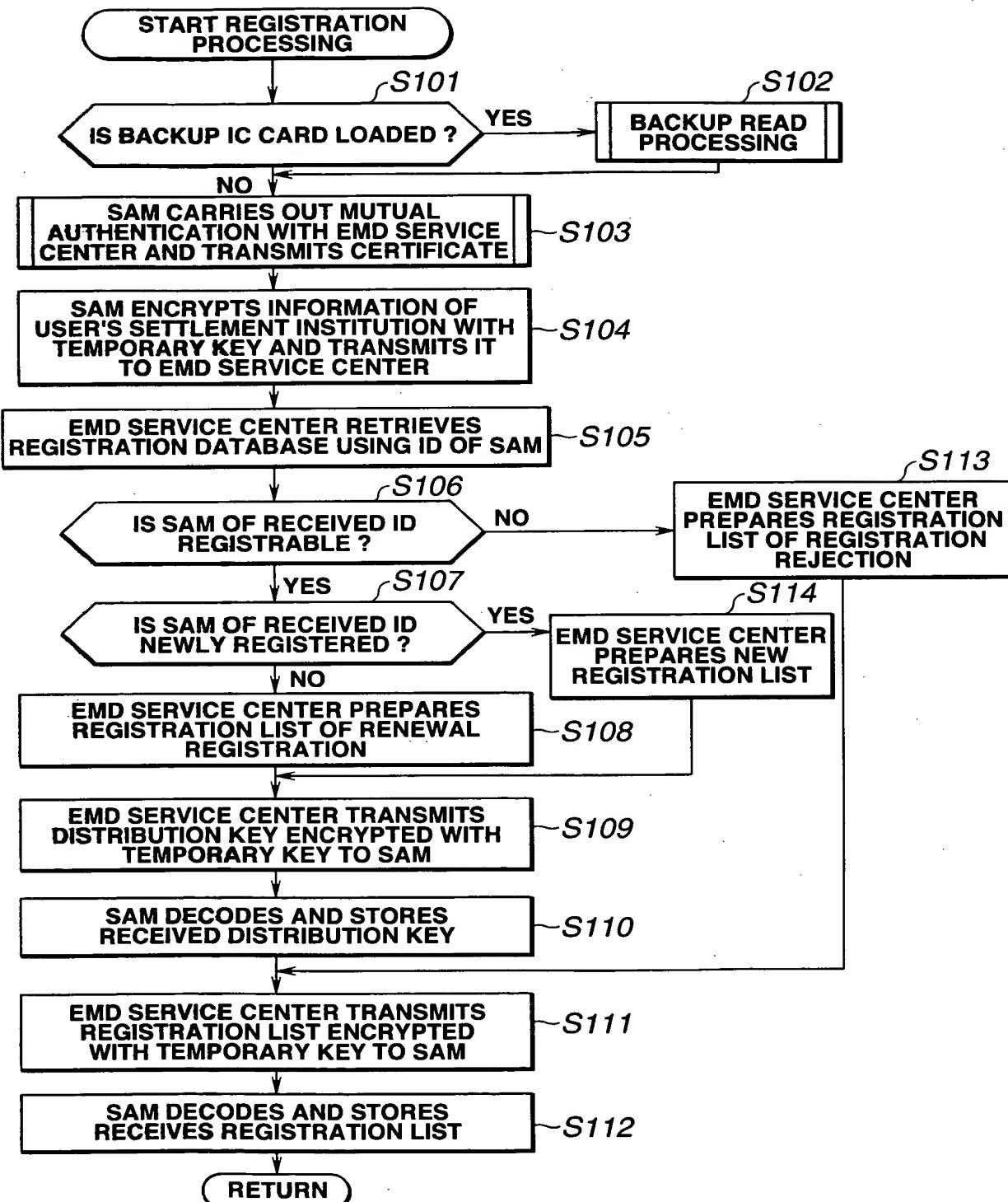


FIG.43

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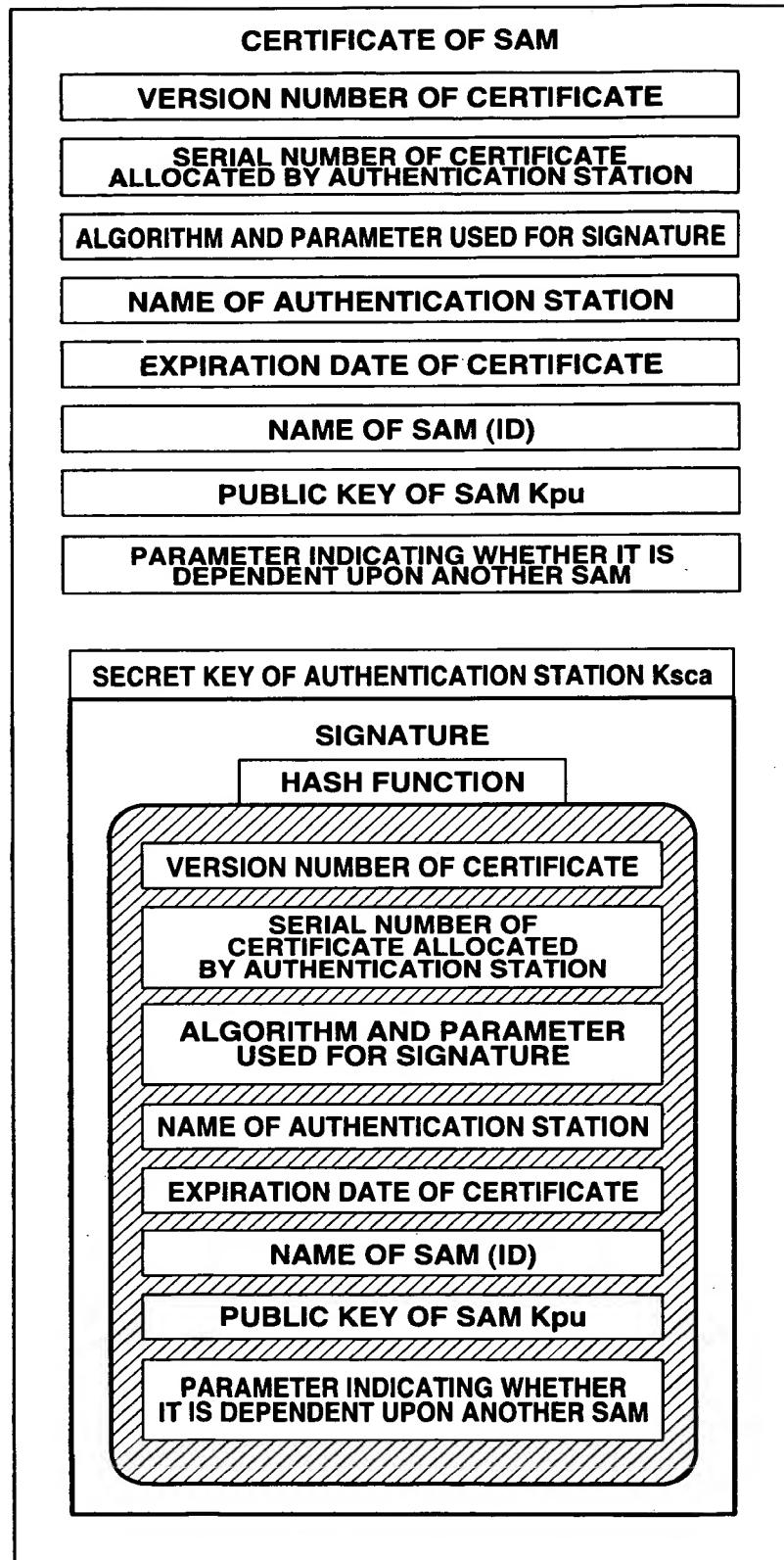


FIG.44

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ID OF SAM (64 BITS)	REGISTRATION REJECTION FLAG (1 BIT)	STATUS FLAG (4 BITS)	CONDITION FLAG (1 BIT)	SIGNATURE
000000000000001h	1	0000	0	xxxxxxxx
000000000000002h	1	1010	1	xxxxxxxx
000000000000003h	1	1100	1	xxxxxxxx
00000000000000Ah	0	0000	1	xxxxxxxx

FIG.45

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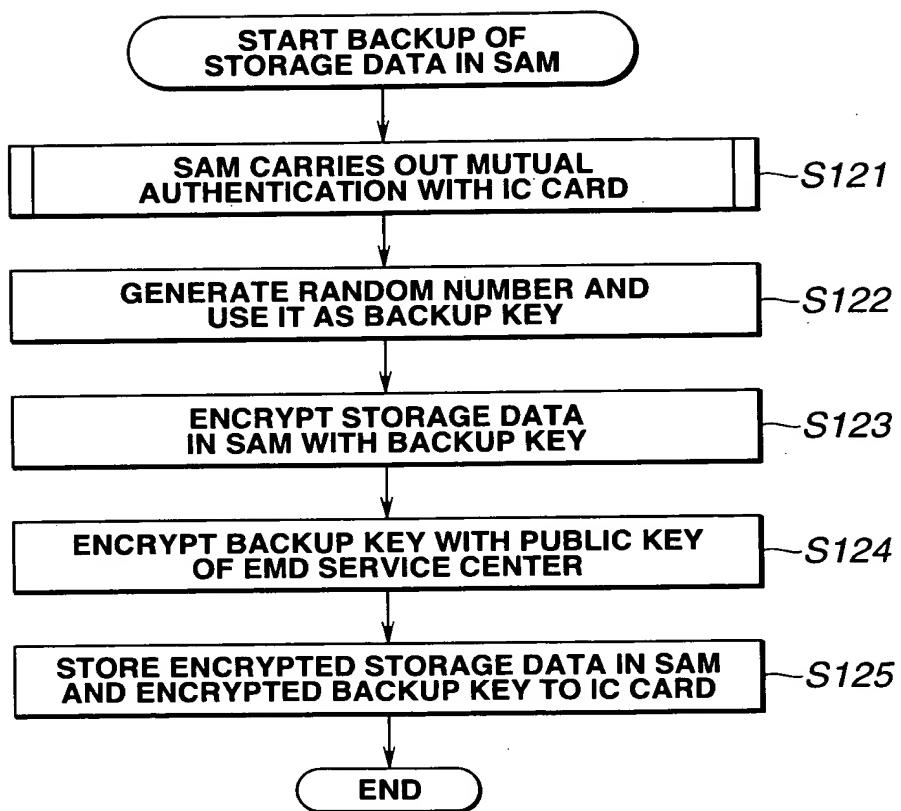
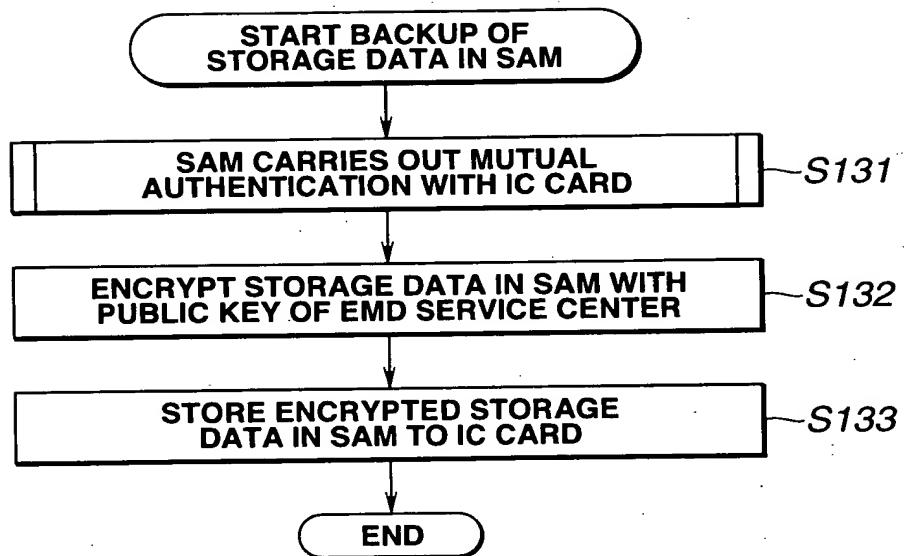


FIG.46

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**FIG.47**

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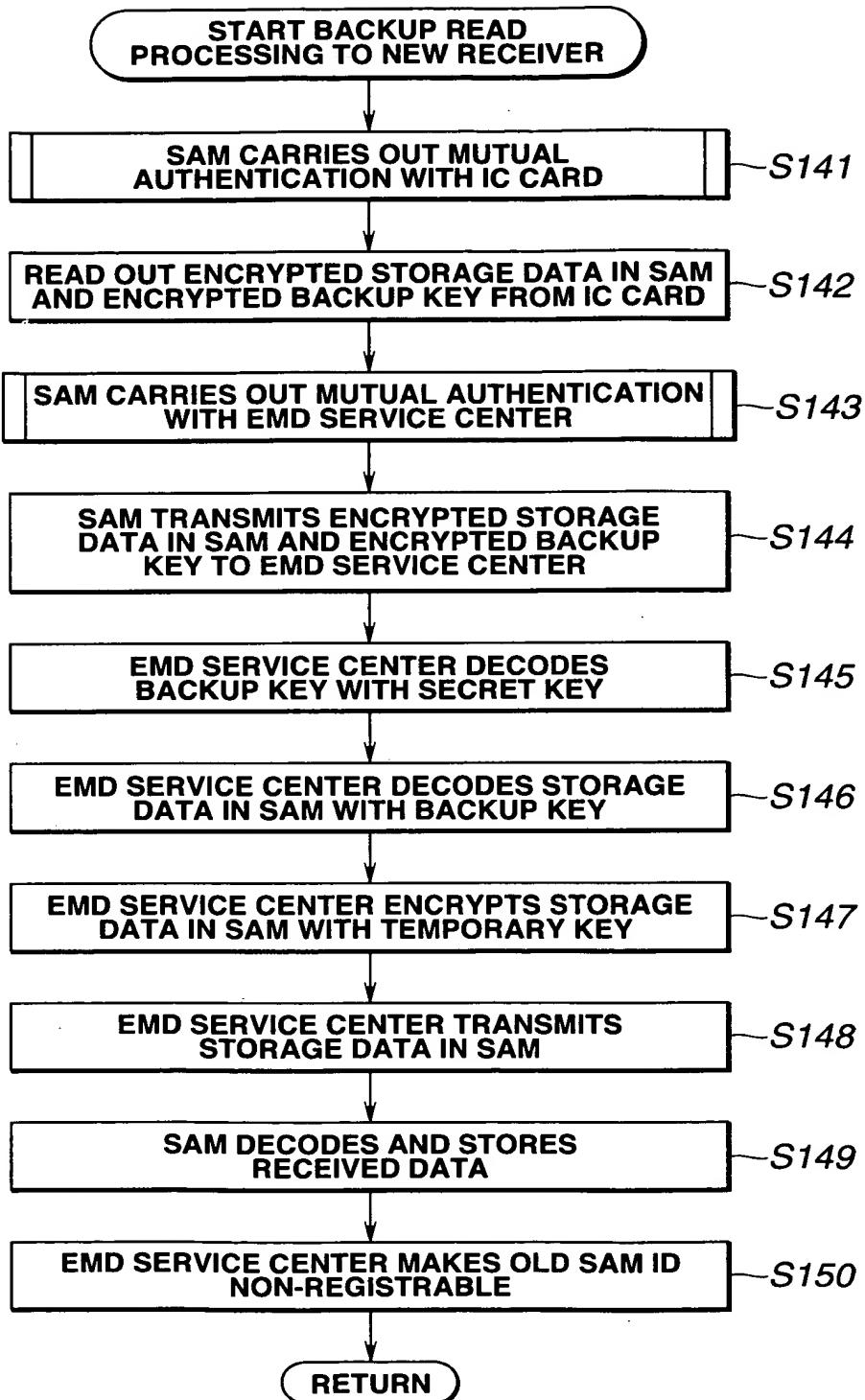


FIG.48

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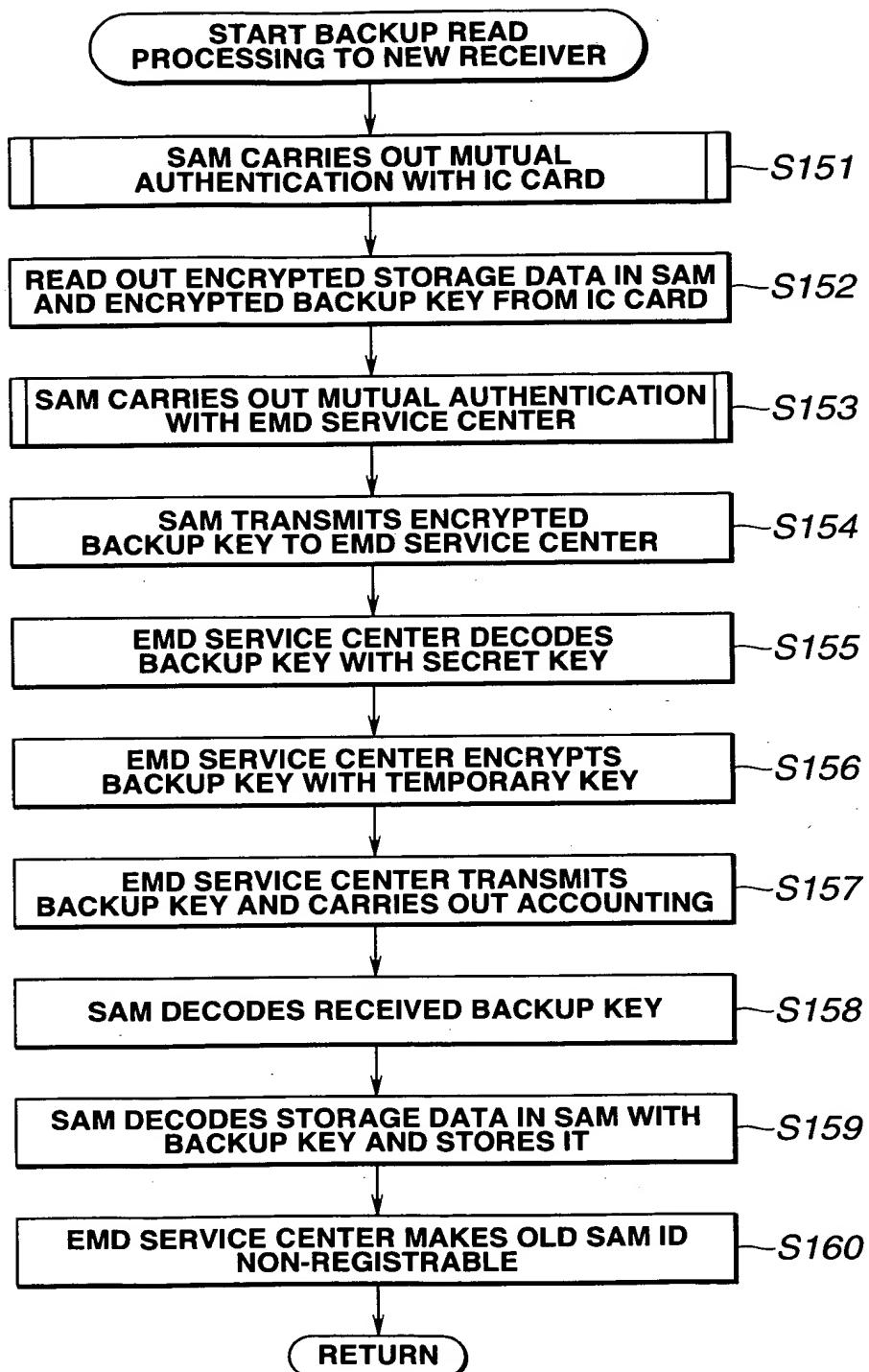


FIG.49

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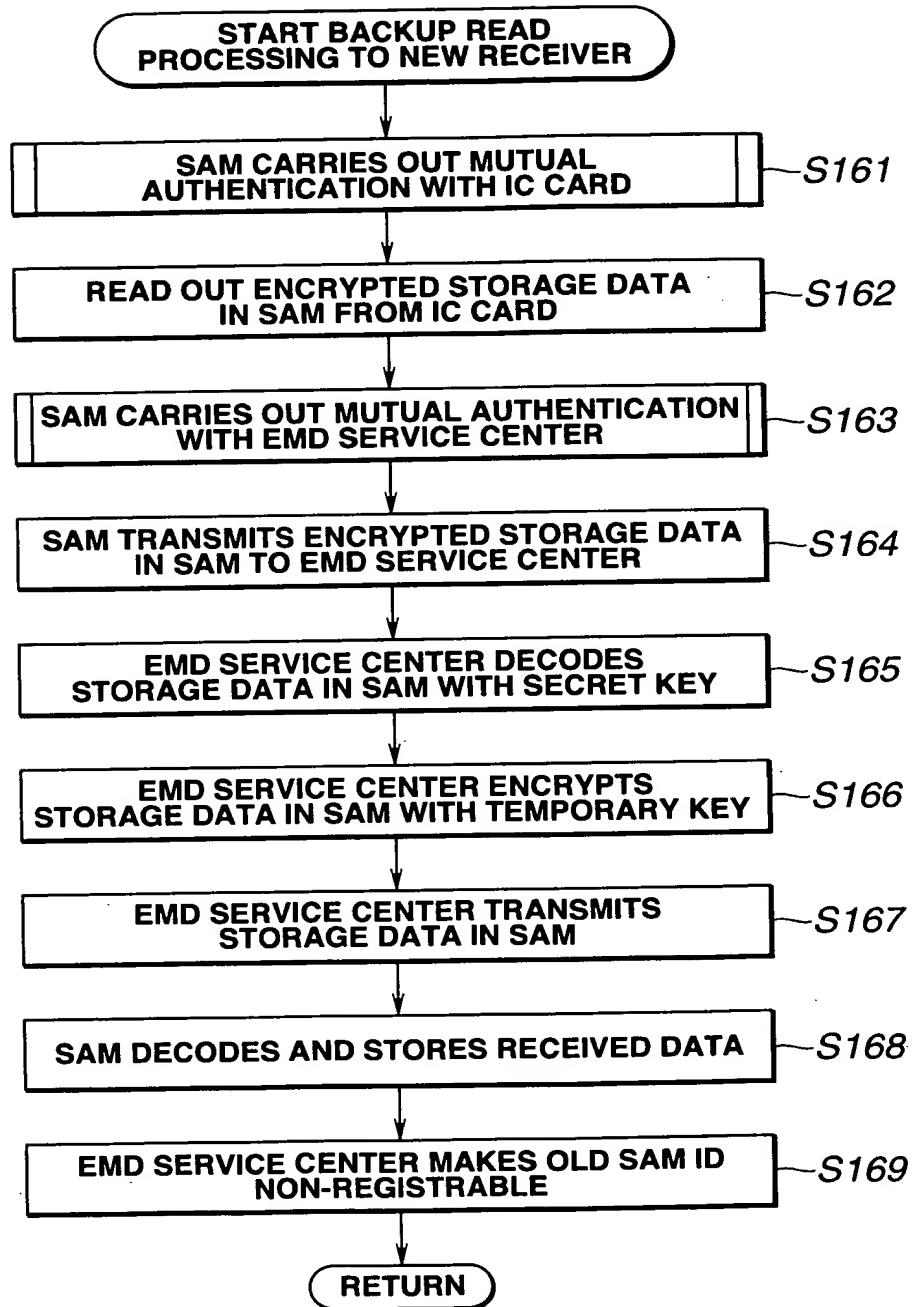


FIG.50

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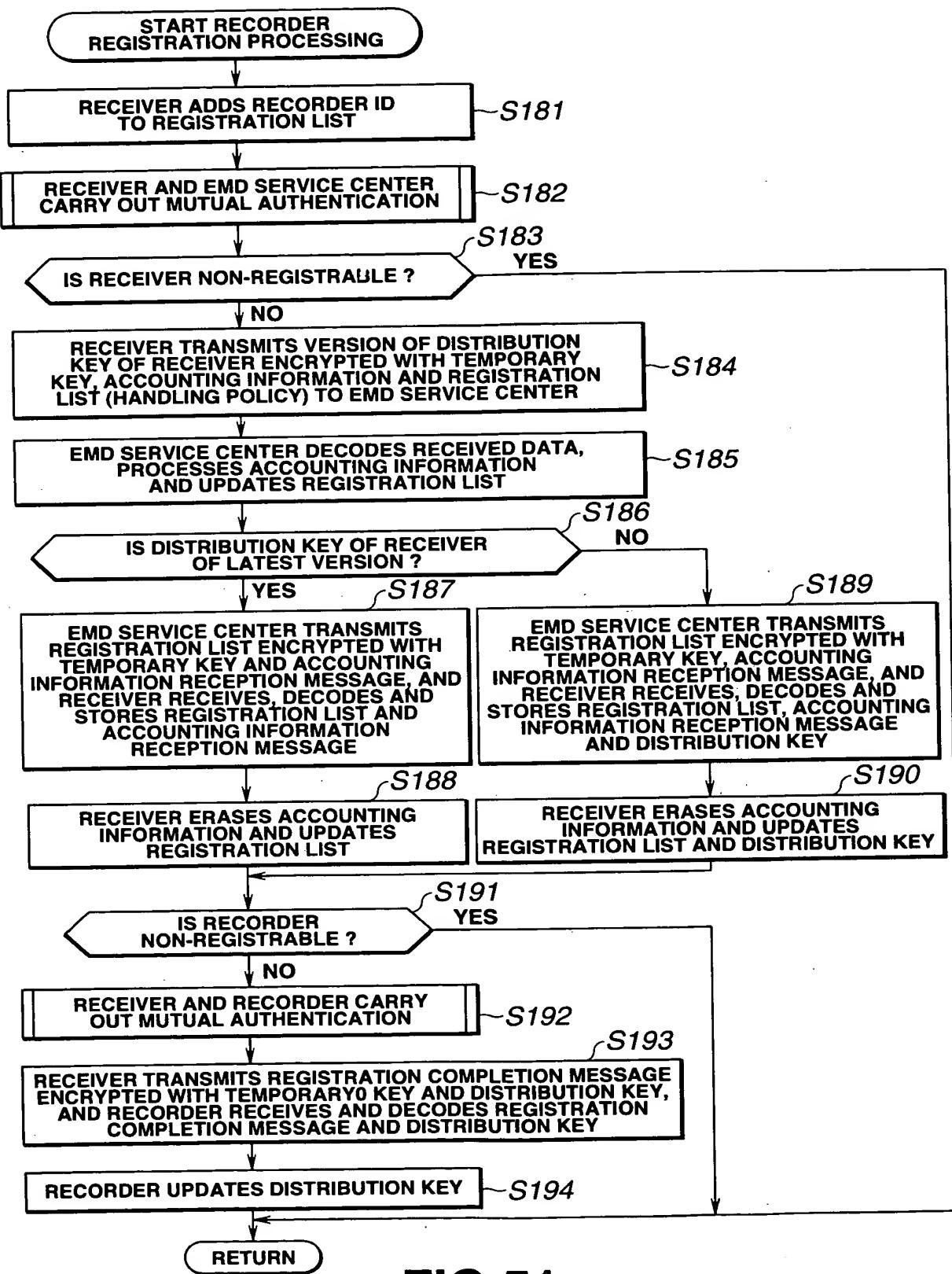


FIG.51

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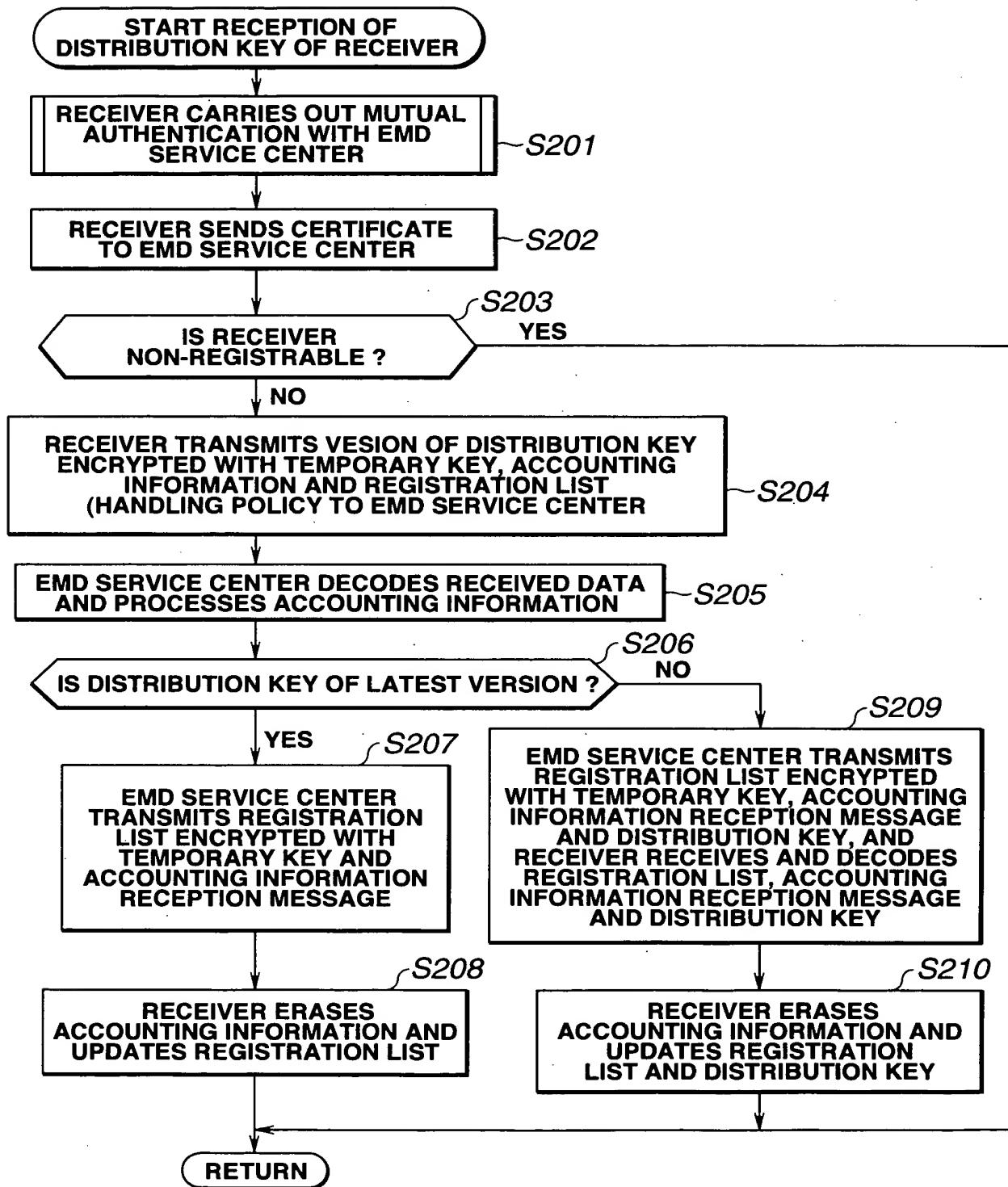


FIG.52

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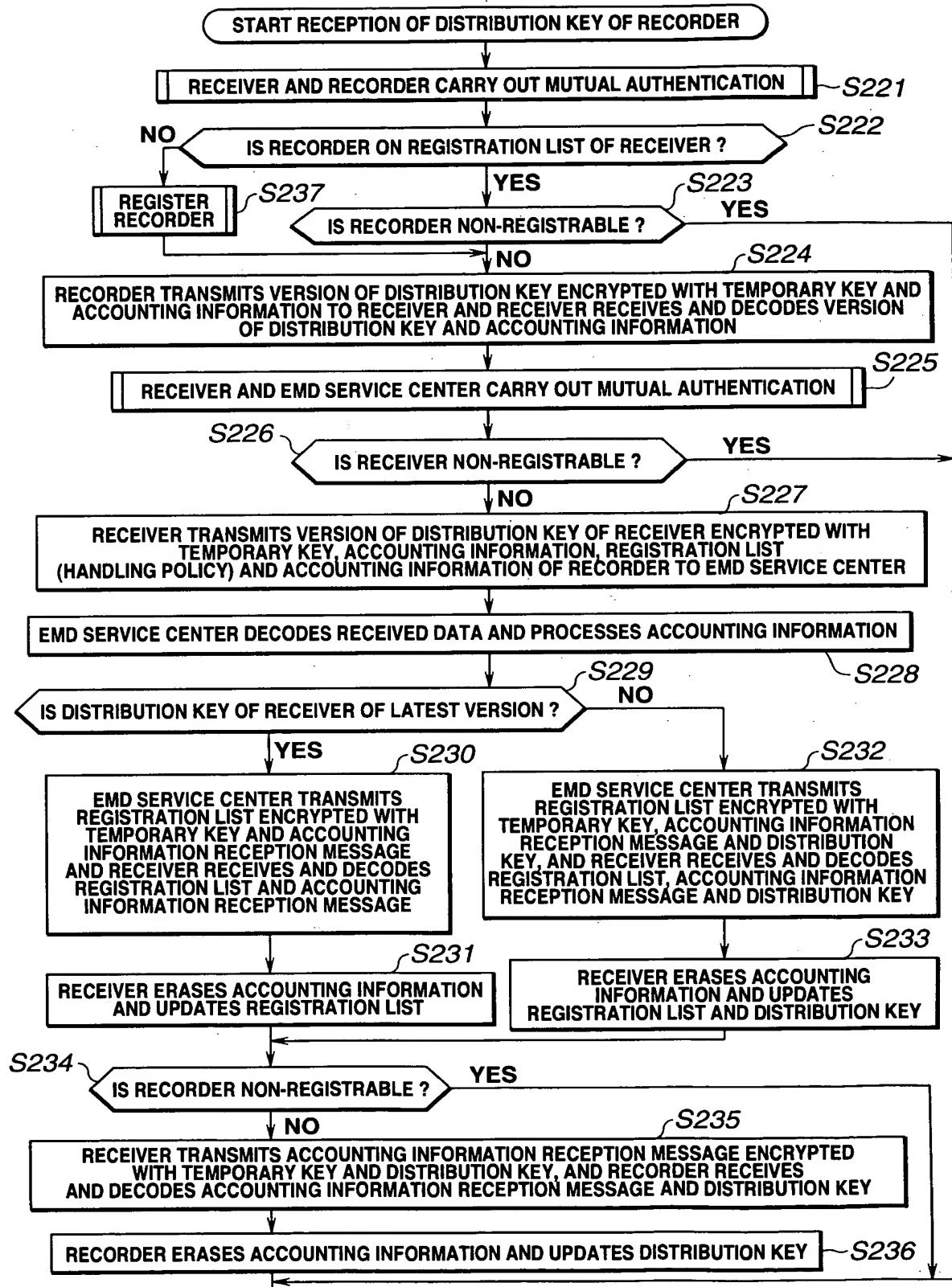


FIG.53

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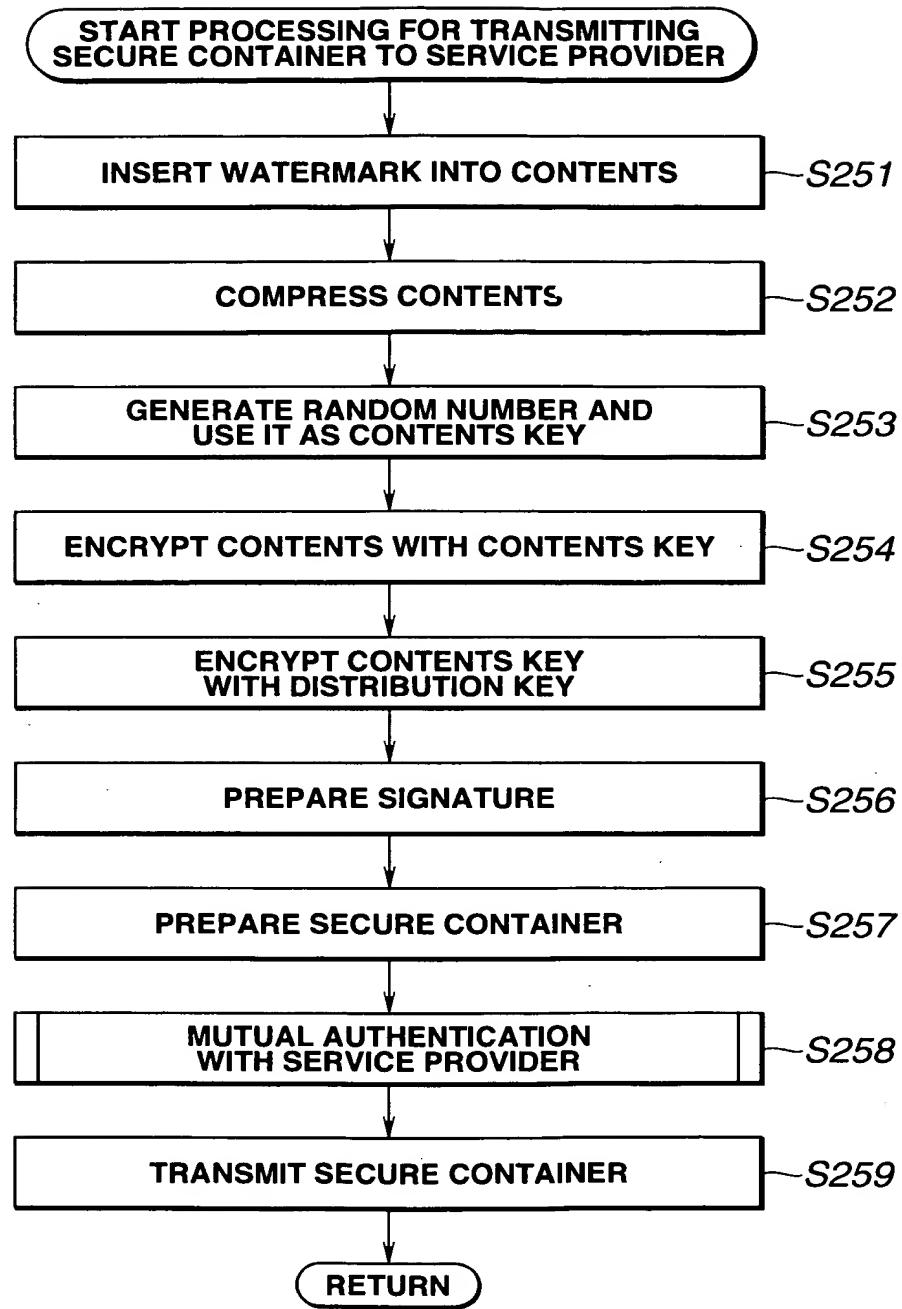


FIG.54

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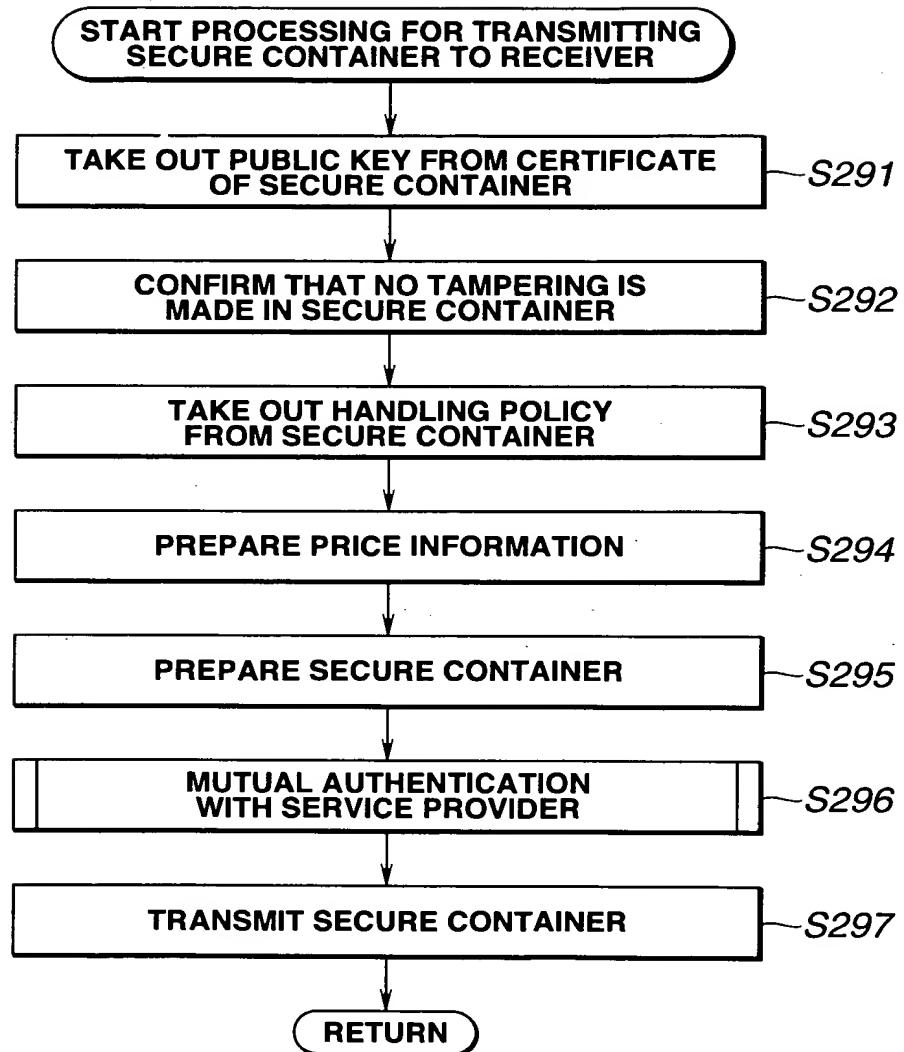


FIG.55

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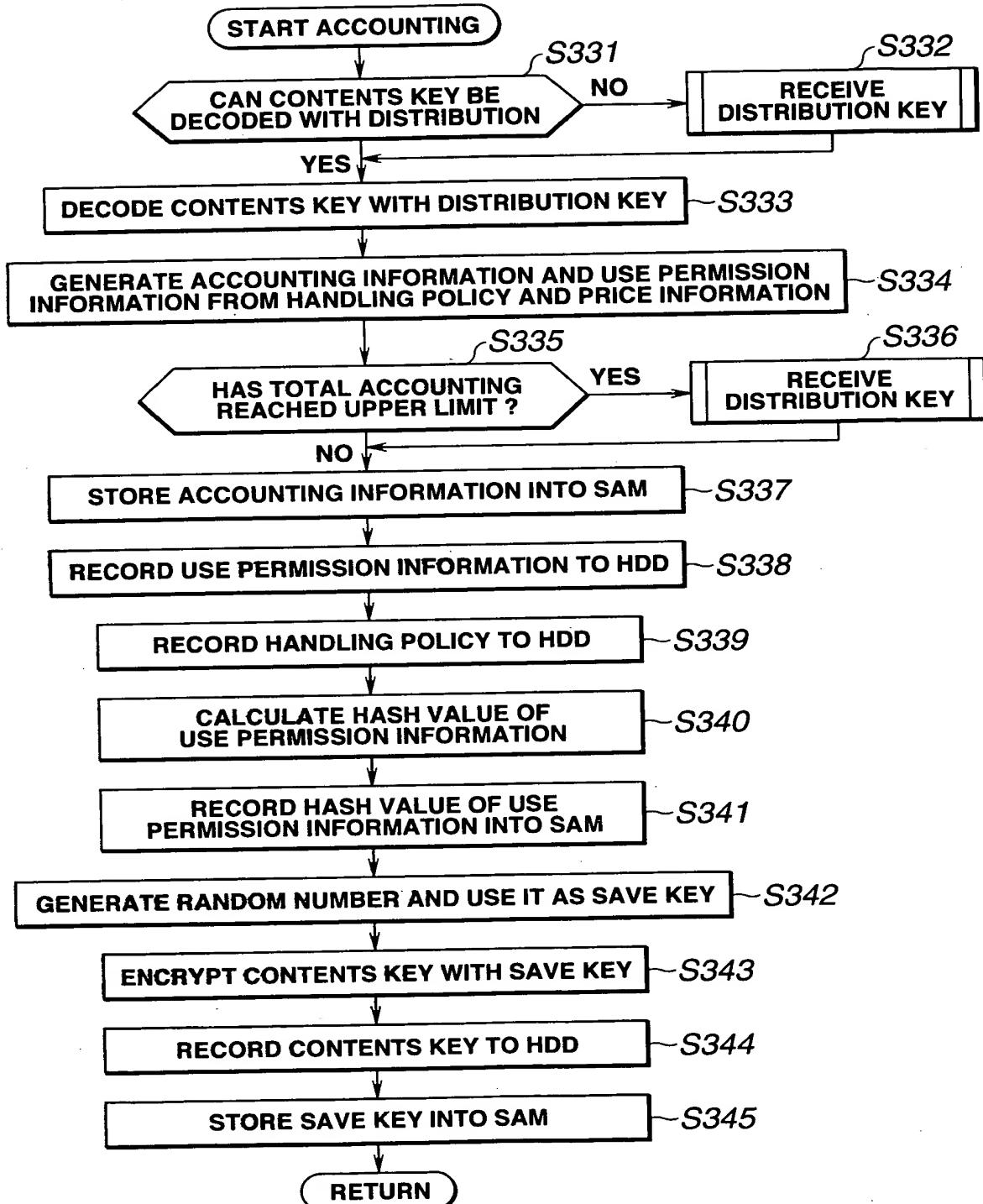


FIG.56

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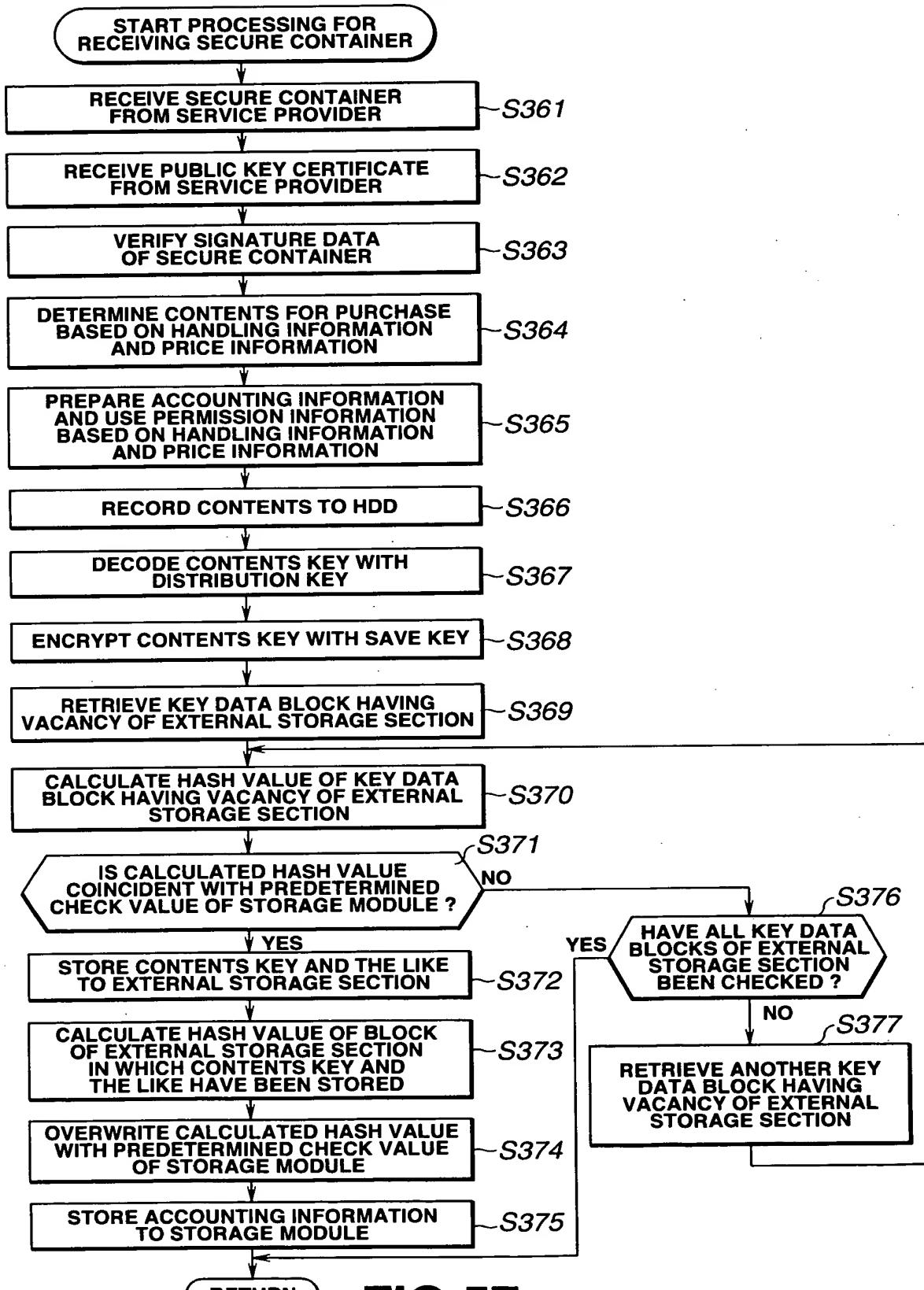


FIG.57

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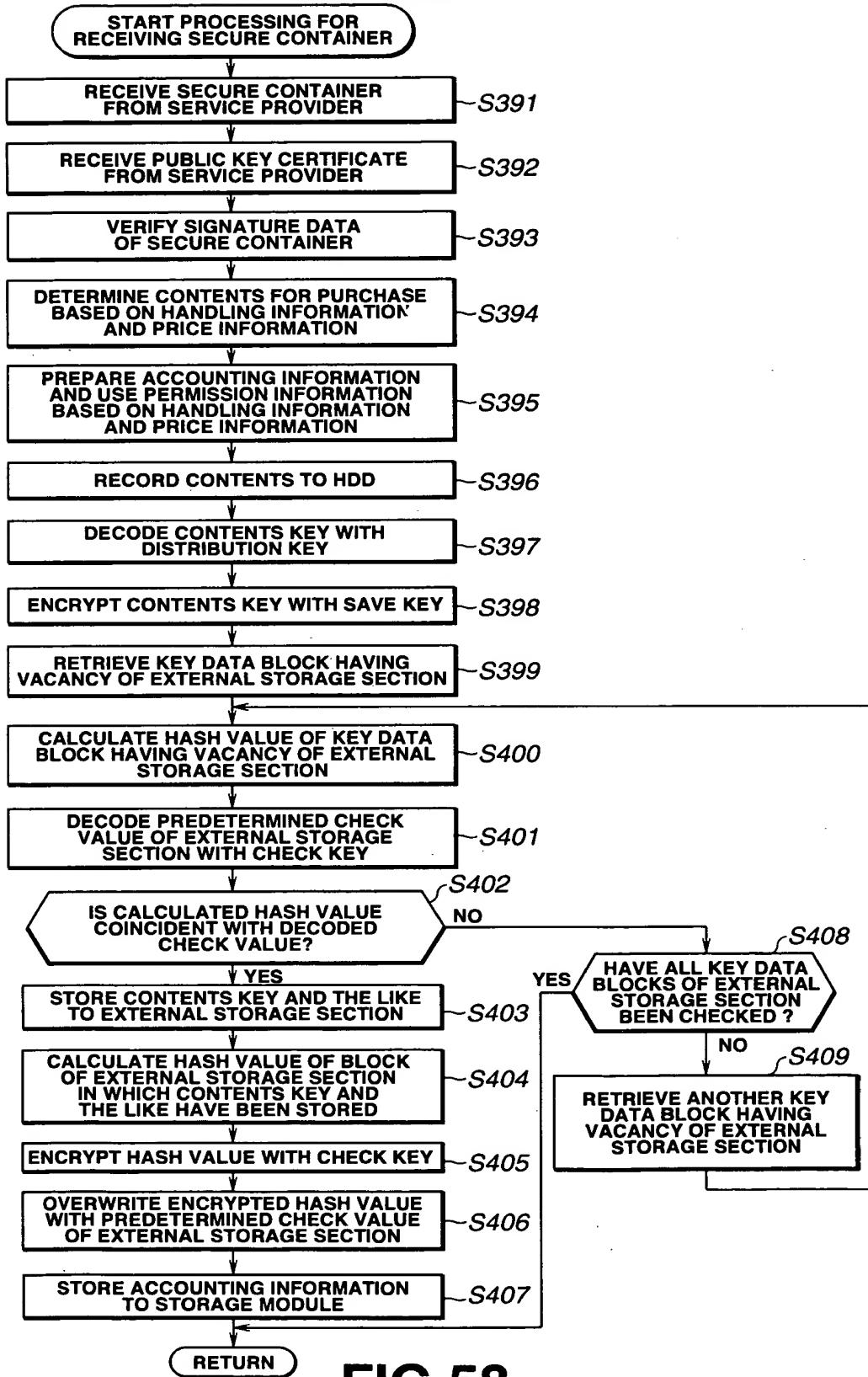


FIG.58

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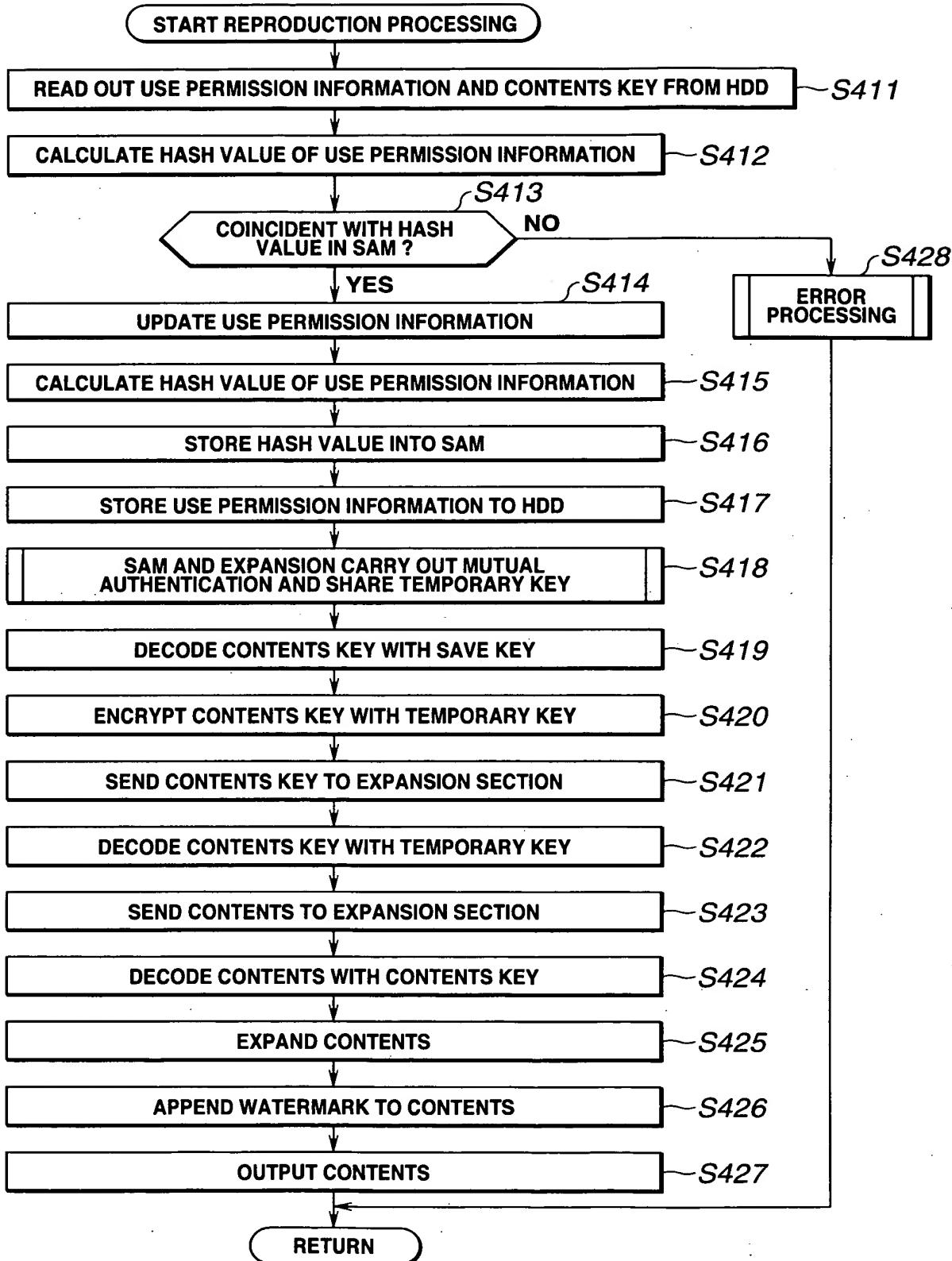


FIG.59

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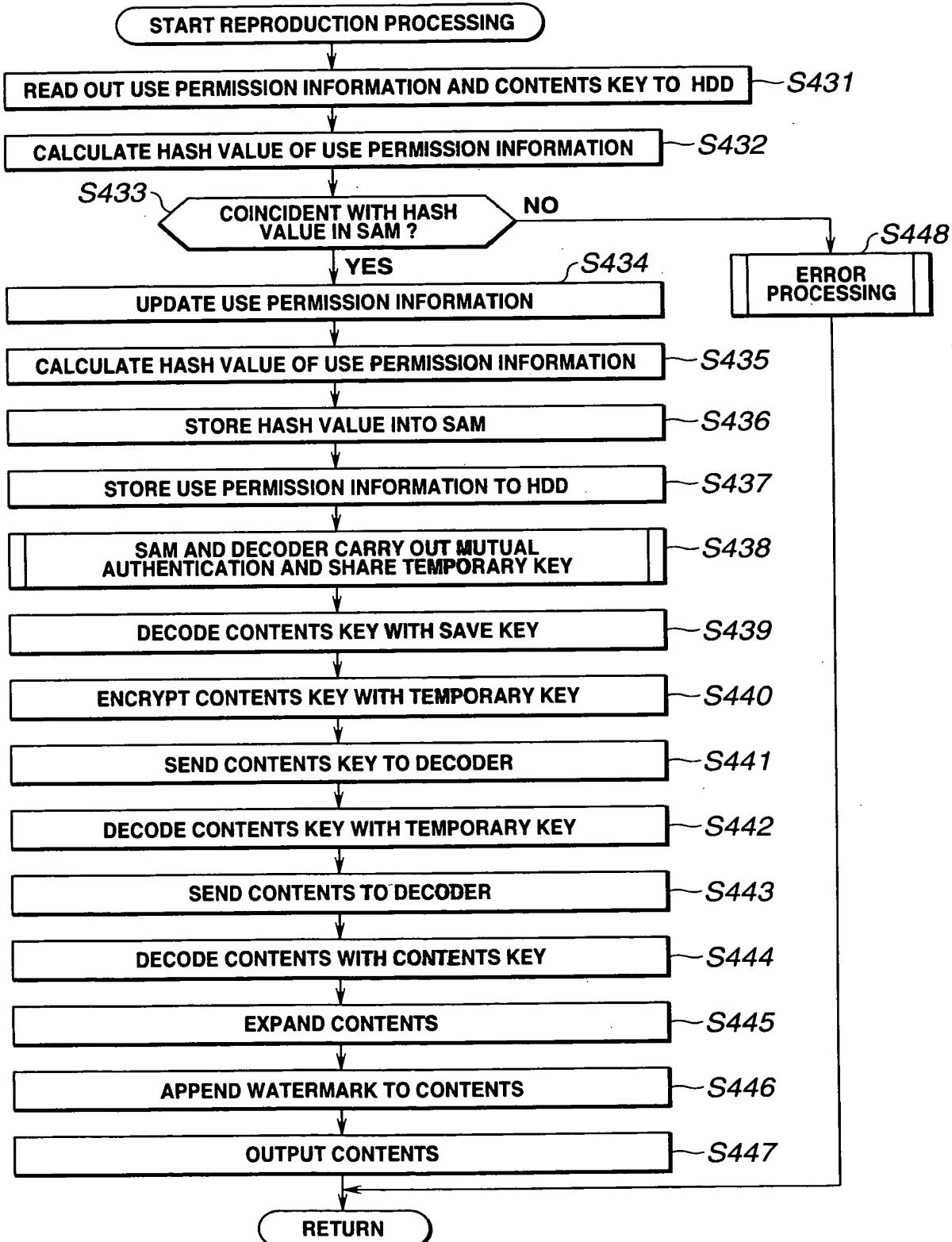


FIG.60

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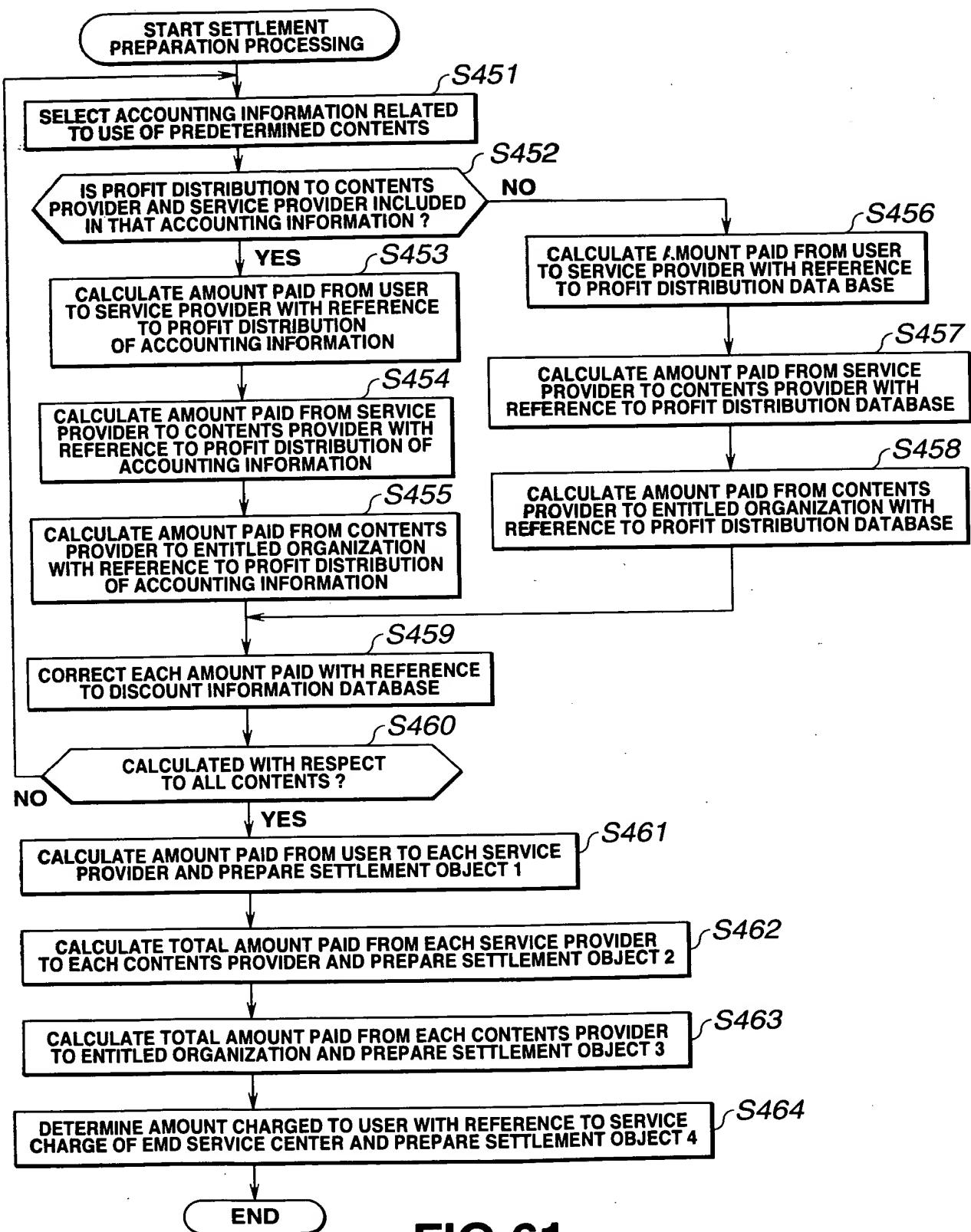


FIG.61

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**FIG.62A****CREDIT SETTLEMENT  
OBJECT 1**

PAYER : USER ID  
AMOUNT CHARGED : x  
PAYEE : SERVICE PROVIDER ID  
AMOUNT PAID : x1

**FIG.62B****CREDIT SETTLEMENT  
OBJECT 2**

PAYER : CREDIT SETTLEMENT OBJECT 1  
AMOUNT CHARGED : -  
PAYEE : CONTENTS PROVIDER ID  
AMOUNT PAID : x2

**FIG.62C****CREDIT SETTLEMENT  
OBJECT 3**

PAYER : CREDIT SETTLEMENT OBJECT 1  
AMOUNT CHARGED : -  
PAYEE : ENTITLED ORGANIZATION ID  
AMOUNT PAID : x3

**FIG.62D****CREDIT SETTLEMENT  
OBJECT 4**

PAYER : CREDIT SETTLEMENT OBJECT 1  
AMOUNT CHARGED : -  
PAYEE : EMD SERVICE CENTER ID  
AMOUNT PAID : x4

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**BANK SETTLEMENT  
OBJECT 1**

PAYER : SERVICE PROVIDER ID  
AMOUNT CHARGED : y1  
PAYEE : EMD SERVICE CENTER ID  
AMOUNT PAID : y1

**FIG.63A****BANK SETTLEMENT  
OBJECT 2**

PAYER : CONTENTS PROVIDER ID  
AMOUNT CHARGED : y2  
PAYEE : EMD SERVICE CENTER ID  
AMOUNT PAID : y2

**FIG.63B****BANK SETTLEMENT  
OBJECT 3**

PAYER : ENTITLED ORGANIZATION ID  
AMOUNT CHARGED : y3  
PAYEE : EMD SERVICE CENTER ID  
AMOUNT PAID : y3

**FIG.63C**

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**CREDIT SETTLEMENT  
OBJECT 1**

PAYER : USER ID  
AMOUNT CHARGED : x  
PAYEE : SERVICE PROVIDER ID  
AMOUNT PAID : x1

**FIG.64A****BANK SETTLEMENT  
OBJECT 2**

PAYER : SERVICE PROVIDER ID  
AMOUNT CHARGED : x2+x3  
PAYEE : CONTENTS PROVIDER ID  
AMOUNT PAID : x2+x3

**FIG.64B****BANK SETTLEMENT  
OBJECT 3**

PAYER : CONTENTS PROVIDER ID  
AMOUNT CHARGED : x3  
PAYEE : ENTITLED ORGANIZATION ID  
AMOUNT PAID : x3

**FIG.64C****CREDIT SETTLEMENT  
OBJECT 4**

PAYER : CREDIT SETTLEMENT OBJECT 1  
AMOUNT CHARGED : -  
PAYEE : EMD SERVICE CENTER ID  
AMOUNT PAID : x4

**FIG.64D**

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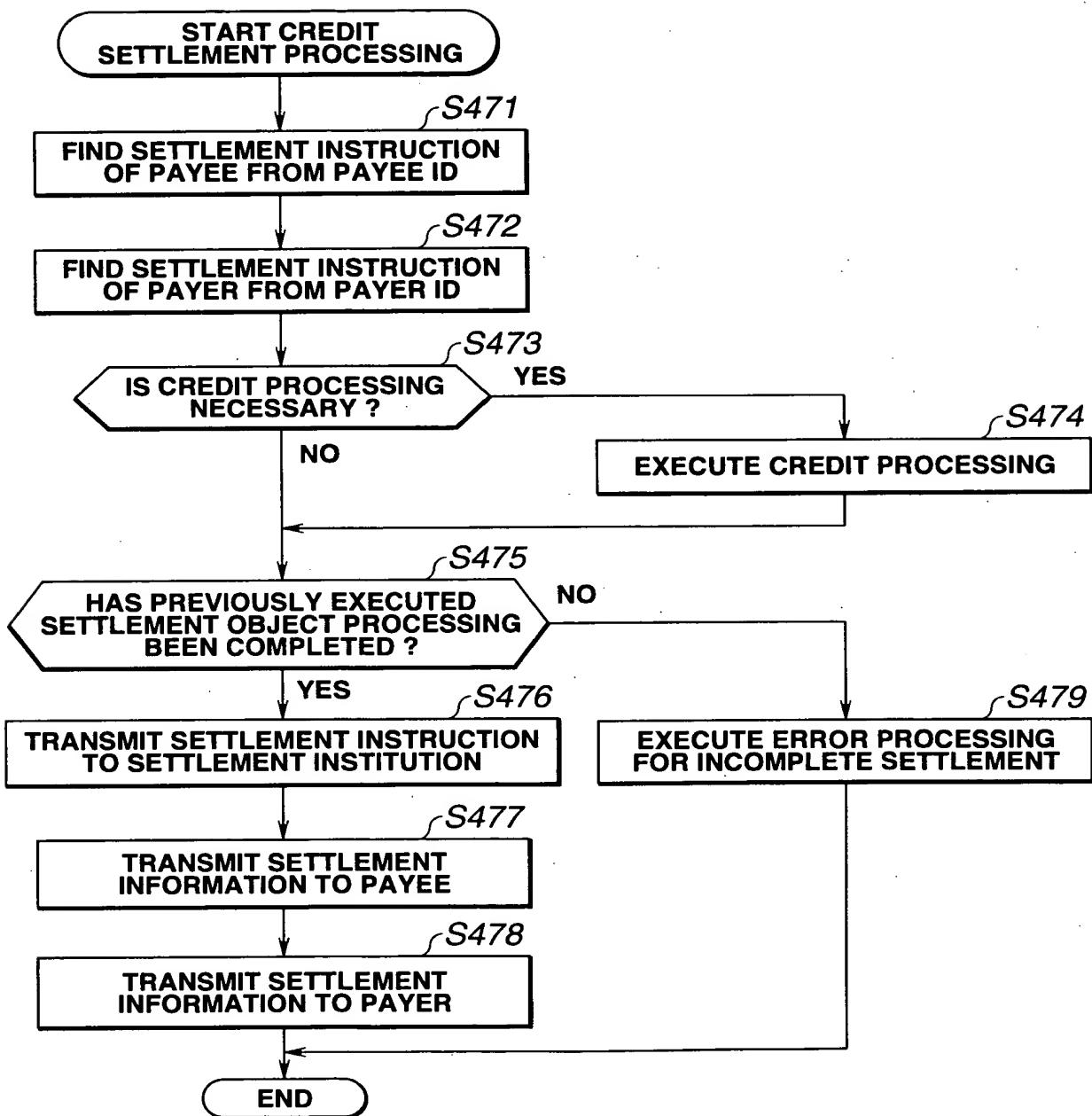


FIG.65

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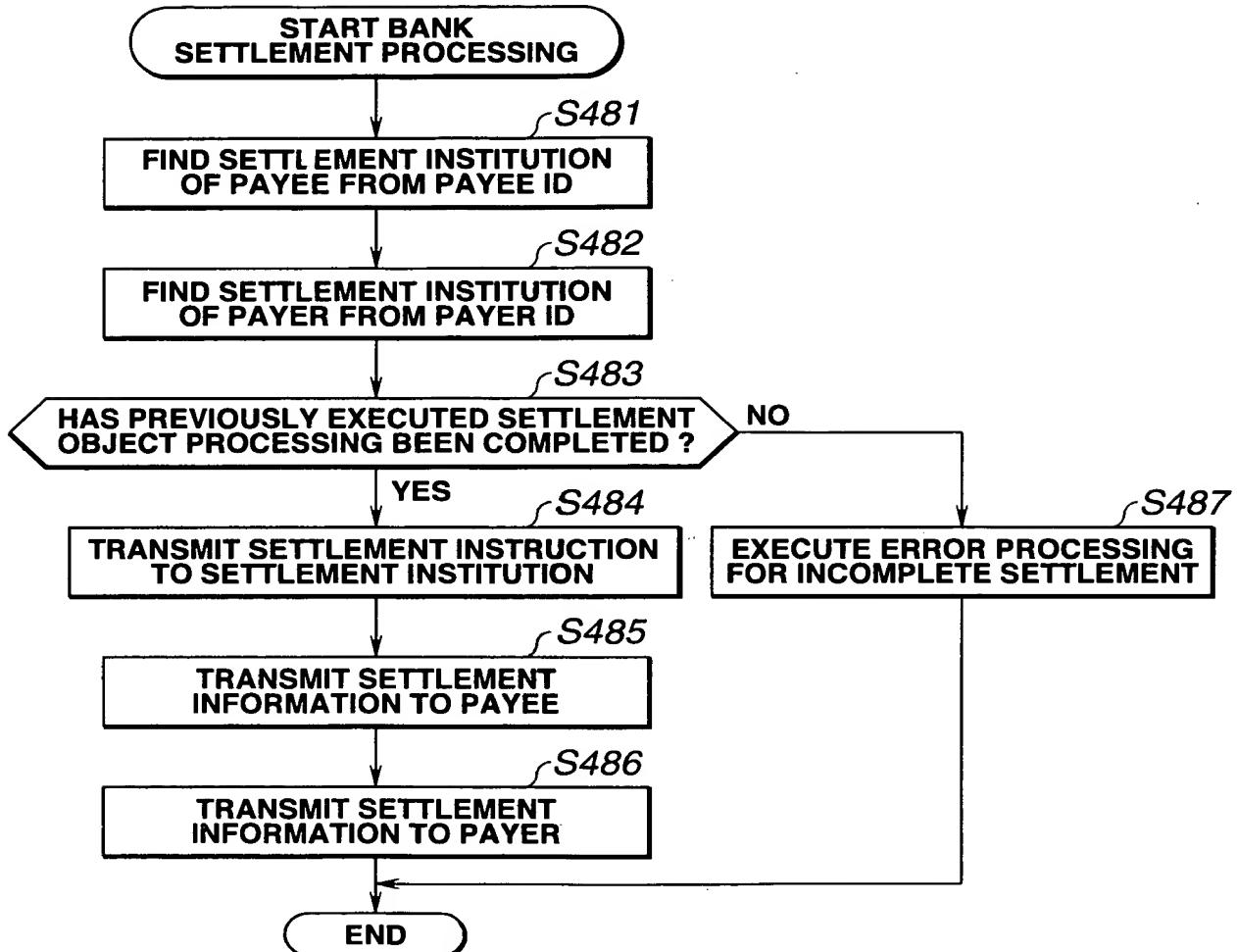
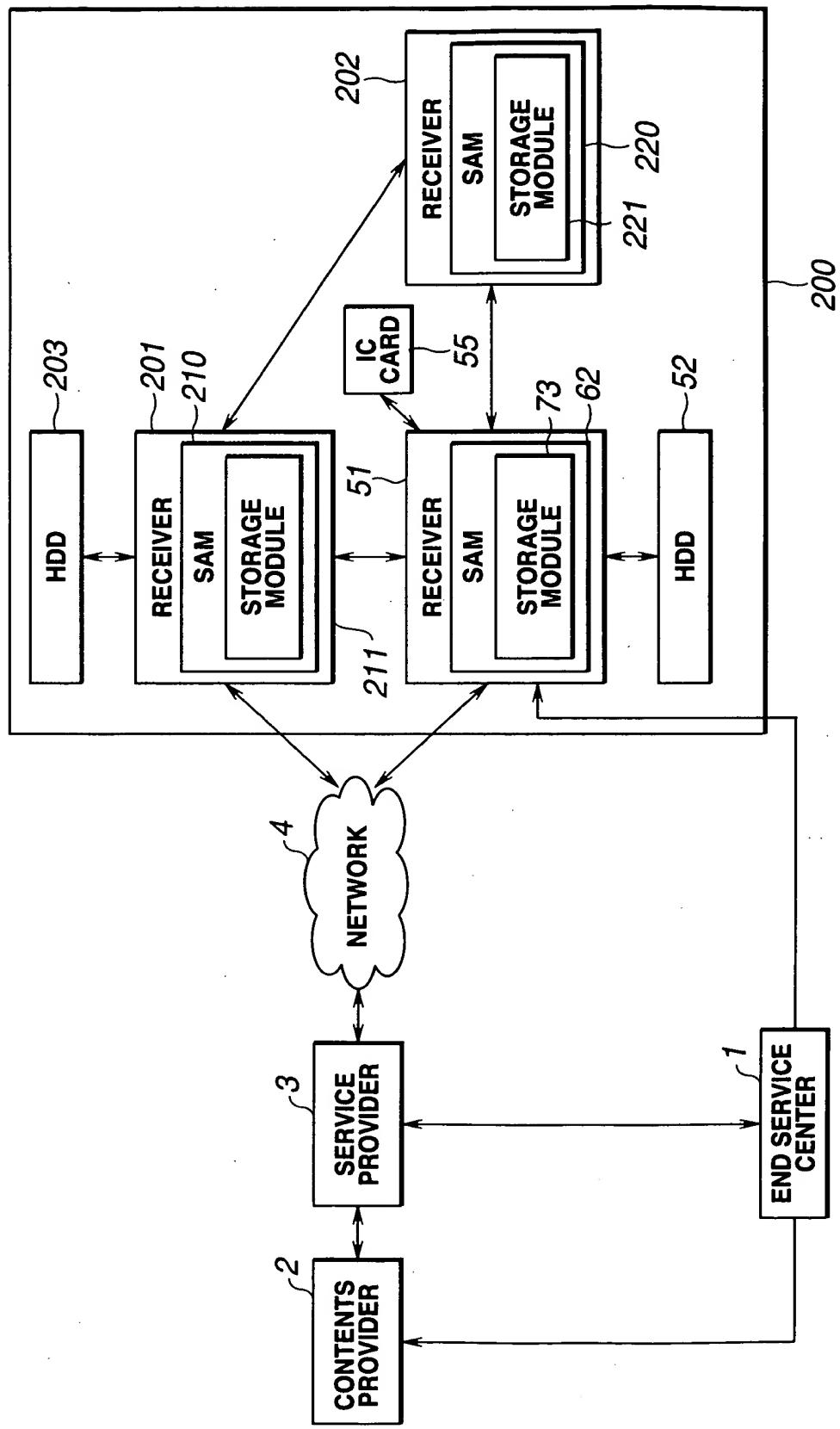


FIG.66

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**FIG.67**

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SAM ID	USER ID	PURCHASE PROCESSING	ACCOUNTING	ACCOUNTING EQUIPMENT	CONTENTS SUPPLY EQUIPMENT	STATUS INFORMATION	REGISTRATION CONDITION SIGNATURE	REGISTRATION LIST SIGNATURE
REGISTRATION CONDITION OF RECEIVER 51	ID OF SAM 62	AVAILABLE	AVAILABLE	ID OF SAM 62	NONE	UNLIMITED	XXX	XXXX
REGISTRATION CONDITION OF RECEIVER 201	ID OF SAM 210	AVAILABLE	UN- AVAILABLE	ID OF SAM 62	NONE	UNLIMITED	XXX	XXXX
REGISTRATION CONDITION OF RECEIVER 202	ID OF SAM 220	UN- AVAILABLE	AVAILABLE	ID OF SAM 62 ID OF SAM 210	NONE	UNLIMITED	XXX	XXXX

LIST PART

TARGET SAM INFORMATION PART

TARGET SAM ID	ID OF SAM 62
EXPIRATION DATE	XXXX
VERSION NUMBER	XXXX
NUMBER OF EQUIPMENTS CONNECTED	3

FIG.68

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SAM ID	USER ID	PURCHASE PROCESSING	ACCOUNTING	ACCOUNTING EQUIPMENT	CONTENTS SUPPLY EQUIPMENT	STATUS INFORMATION	REGISTRATION CONDITION SIGNATURE	REGISTRATION LIST SIGNATURE
ID OF SAM 62	ID OF USER	AVAILABLE	AVAILABLE	ID OF SAM 62	NONE	UNLIMITED	XXX	XXXX
ID OF SAM 210	ID OF USER	AVAILABLE	UN- AVAILABLE	ID OF SAM 62	NONE	UNLIMITED	XXX	XXX
ID OF SAM 220	ID OF USER	UN- AVAILABLE	UN- AVAILABLE	NONE	ID OF SAM 62 ID OF SAM 210	UNLIMITED	XXX	XXX

REGISTRATION CONDITION OF RECEIVER 51  
REGISTRATION CONDITION OF RECEIVER 201  
REGISTRATION CONDITION OF RECEIVER 202

LIST PART

TARGET SAM INFORMATION PART

TARGET SAM ID	ID OF SAM 210
EXPIRATION DATE	XXX
VERSION NUMBER	XXX
NUMBER OF EQUIPMENTS CONNECTED	3

FIG.69

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REGISTRATION CONDITION OF RECEIVER 202		REGISTRATION LIST SIGNATURE		
SAM ID	USER ID	PURCHASE PROCESSING	ACCOUNTING	ACCOUNTING EQUIPMENT
ID OF SAM 220	ID OF USER	UN- AVAILABLE	UN- AVAILABLE	NONE

LIST PART

TARGET SAM ID	ID OF SAM 220
	XXXX
EXPIRATION DATE	XXXX
VERSION NUMBER	XXXX
NUMBER OF EQUIPMENTS CONNECTED	3

TARGET SAM INFORMATION PART

FIG.70

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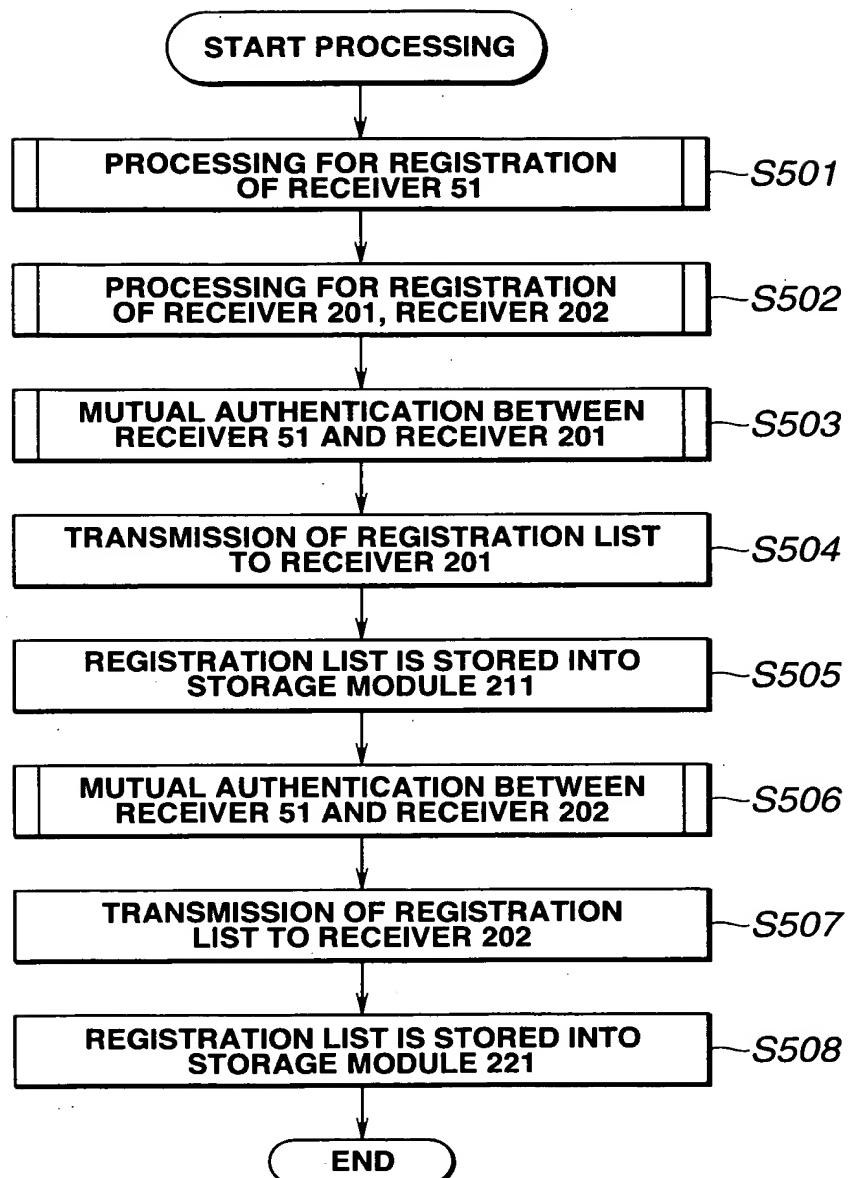


FIG.71

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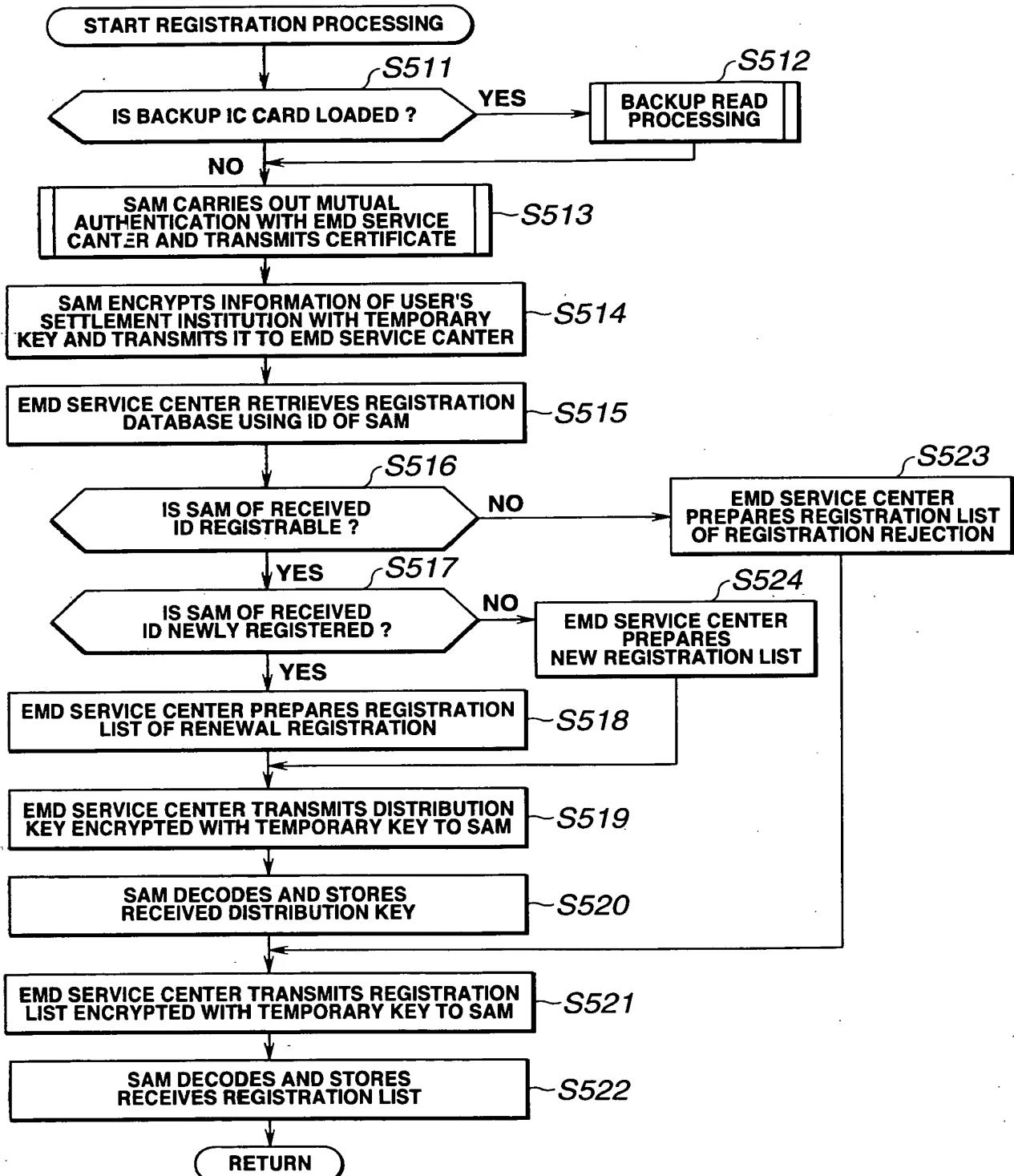


FIG.72

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SAM ID	USER ID	PURCHASE PROCESSING	ACCOUNTING	ACCOUNTING EQUIPMENT	CONTENTS SUPPLY EQUIPMENT	STATUS INFORMATION	REGISTRATION CONDITION SIGNATURE	REGISTRATION LIST SIGNATURE
ID OF SAM 62	ID OF USER	AVAILABLE	AVAILABLE	ID OF SAM 62	NONE	UNLIMITED	XXX	XXXX

REGISTRATION  
CONDITION OF  
RECEIVER 51

LIST PART

TARGET SAM ID      ID OF SAM 62

EXPIRATION DATE      XXXXX

VERSION NUMBER      XXXXX

NUMBER OF EQUIPMENTS CONNECTED      3

REGISTRATION LIST

INFORMATION PART

FIG.73

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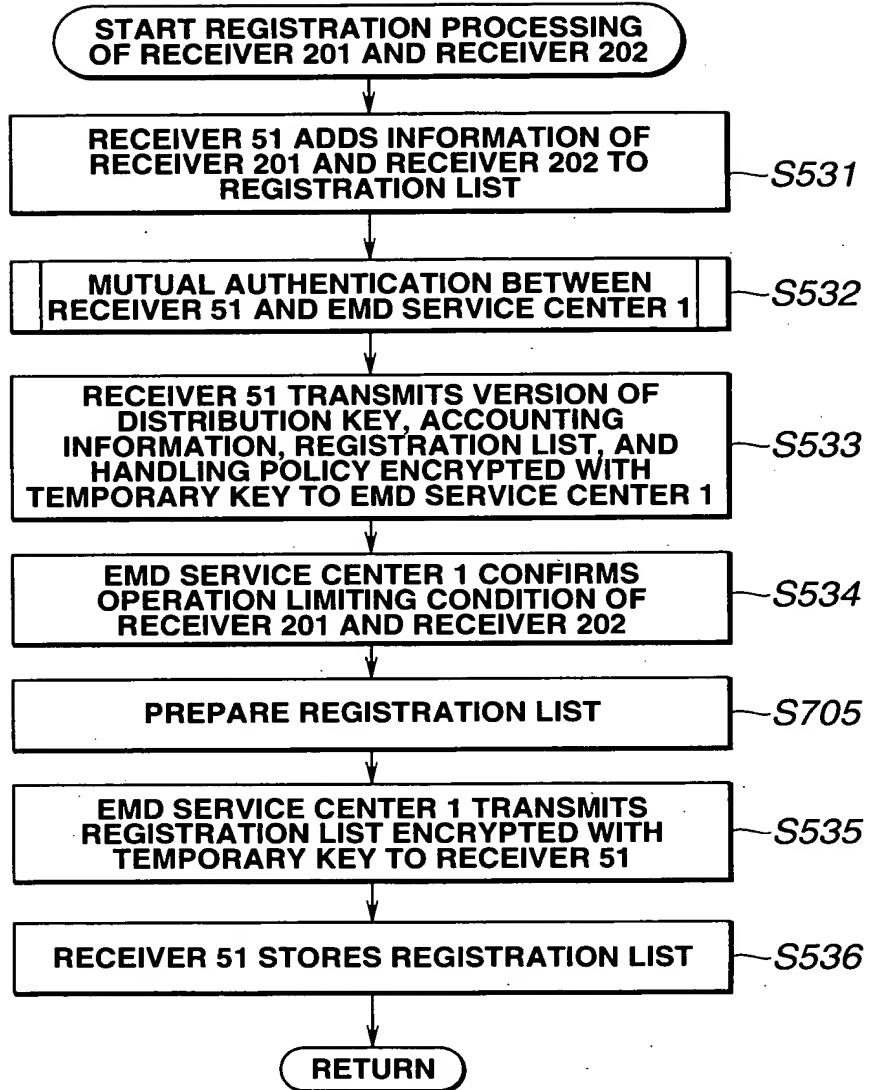


FIG.74

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SAM ID	USER ID	PURCHASE PROCESSING	ACCOUNTING	ACCOUNTING EQUIPMENT	CONTENTS SUPPLY EQUIPMENT	STATUS INFORMATION	REGISTRATION CONDITION SIGNATURE	REGISTRATION LIST SIGNATURE
REGISTRATION CONDITION OF RECEIVER 51								
ID OF SAM 62	ID OF USER	AVAILABLE	AVAILABLE	ID OF SAM 62	NONE	UNLIMITED	XXX	XXXX
ID OF SAM 210		AVAILABLE	UN- AVAILABLE	ID OF SAM 62	NONE	UNLIMITED	XXX	
ID OF SAM 220		UN- AVAILABLE	UN- AVAILABLE	NONE	ID OF SAM 62	UNLIMITED	XXX	
						ID OF SAM 210		

LIST PART

TARGET SAM INFORMATION PART

TARGET SAM ID	ID OF SAM 62
EXPIRATION DATE	XXX
VERSION NUMBER	XXX
NUMBER OF EQUIPMENTS CONNECTED	3

3

FIG.75

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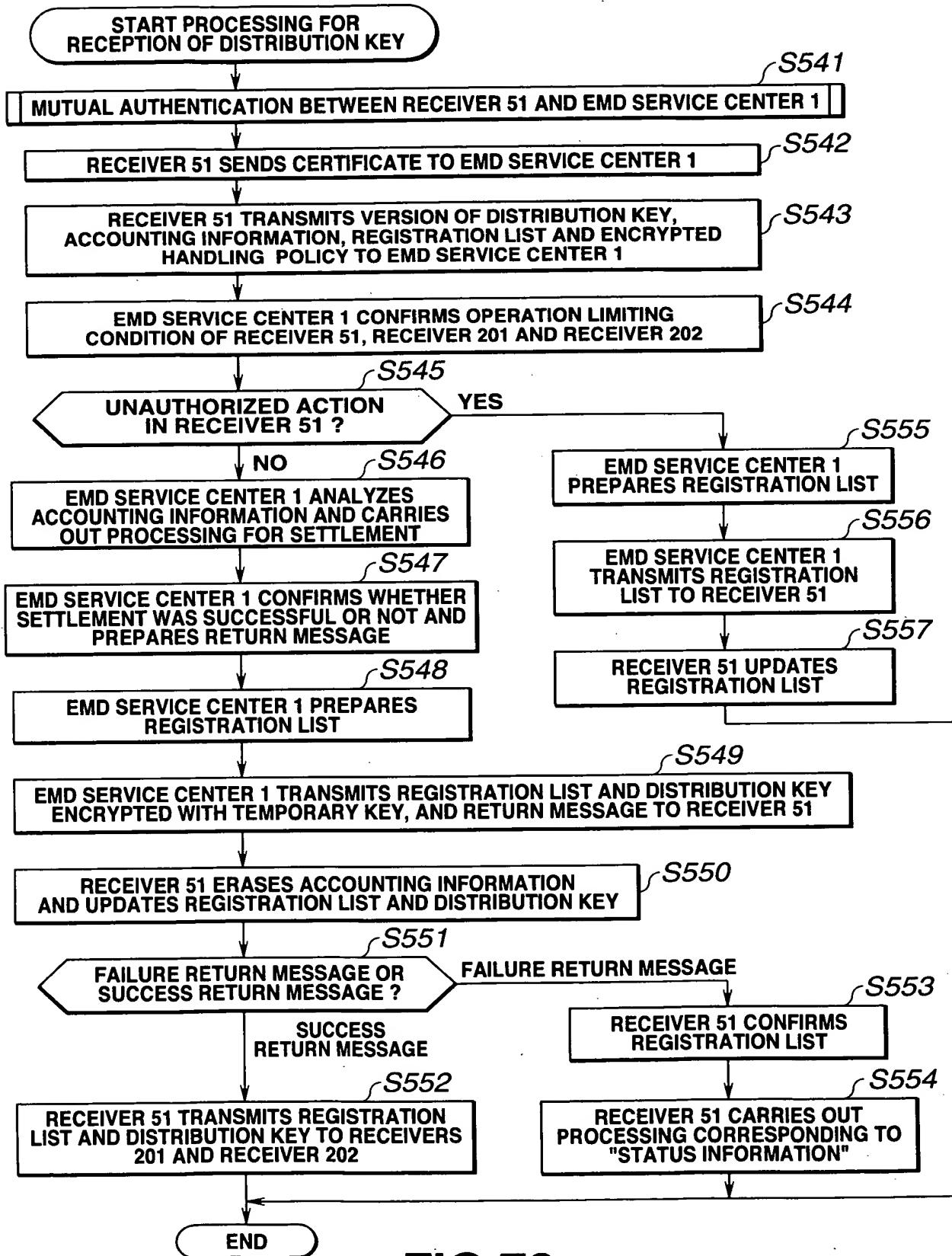


FIG.76

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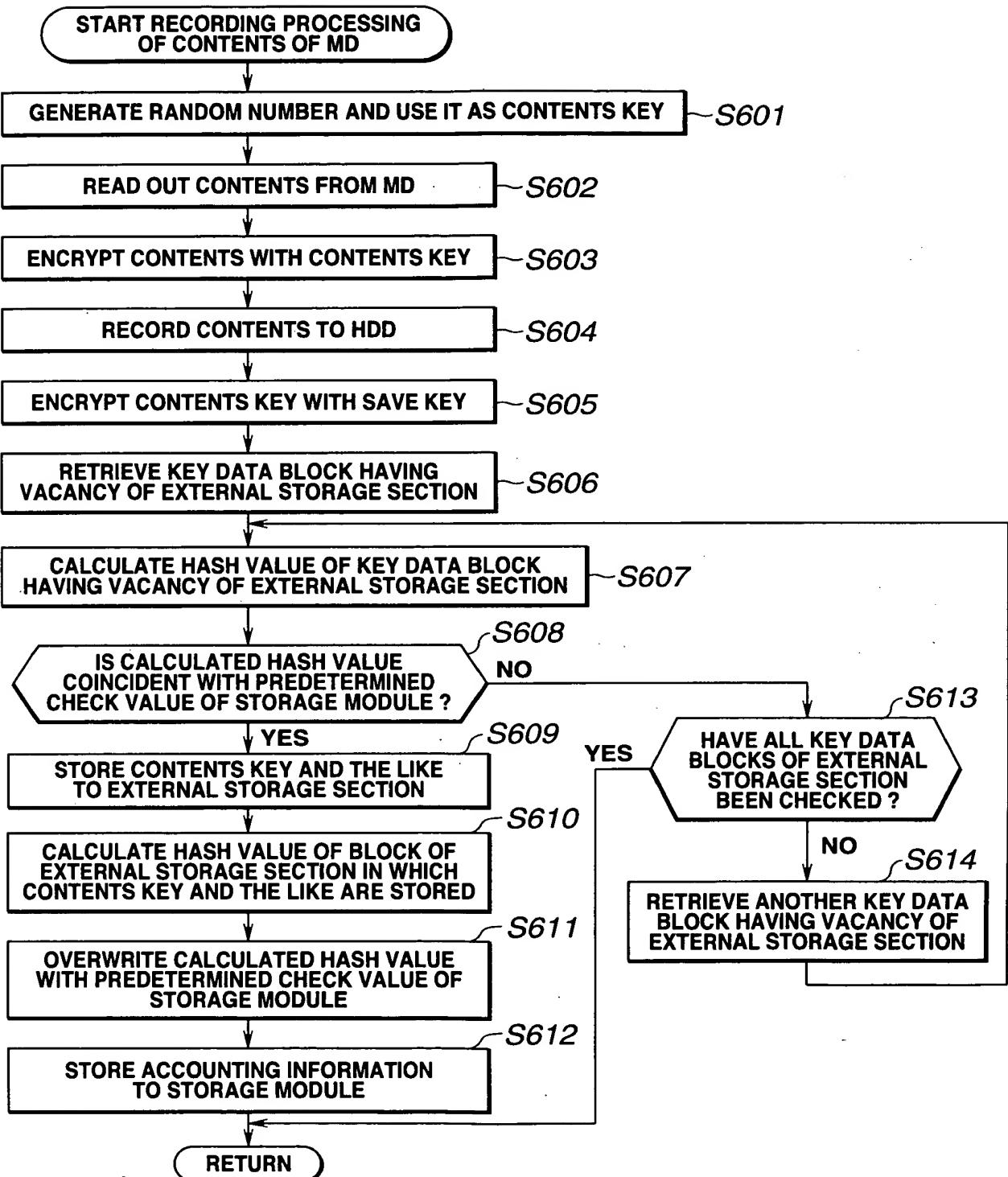


FIG.77

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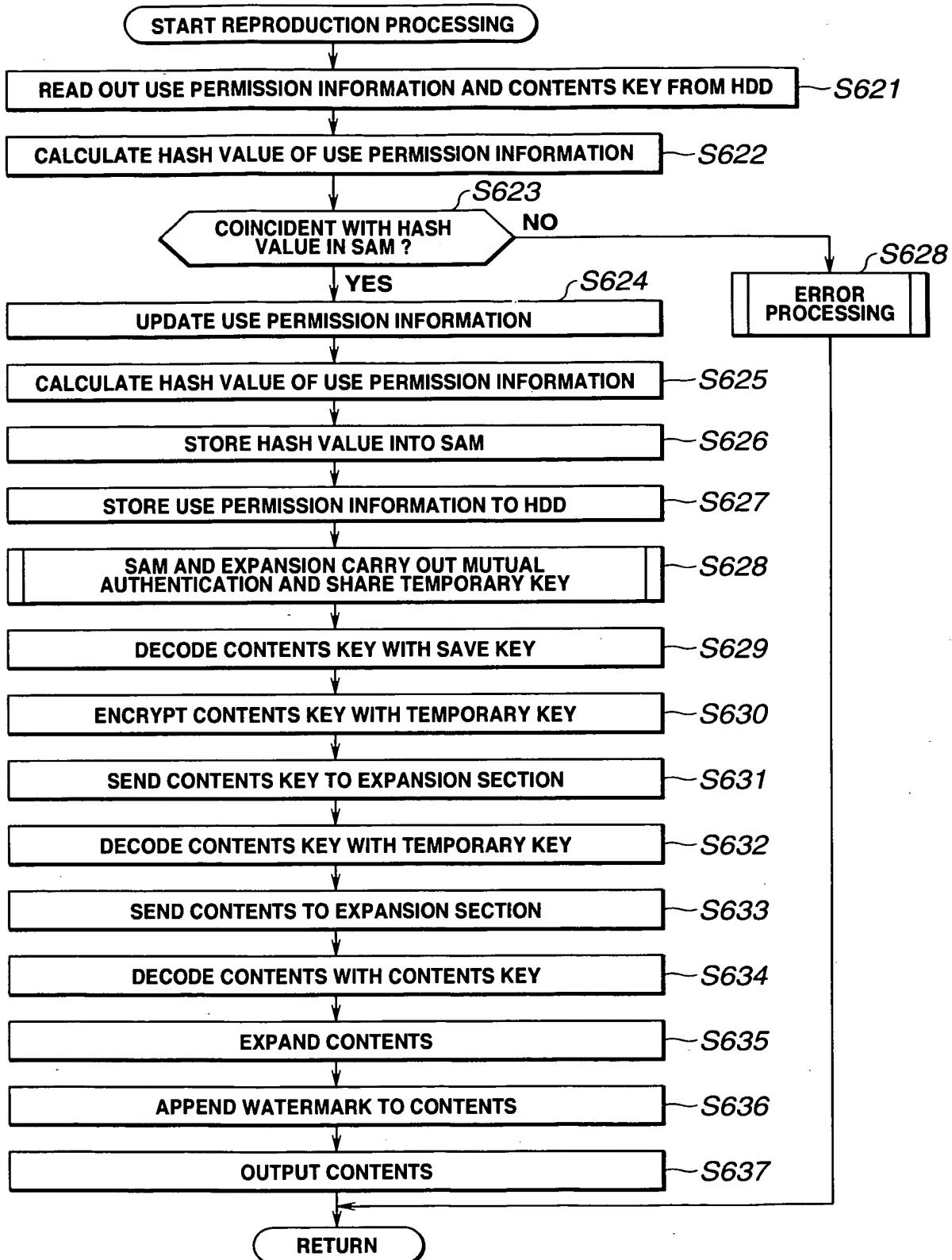


FIG.78

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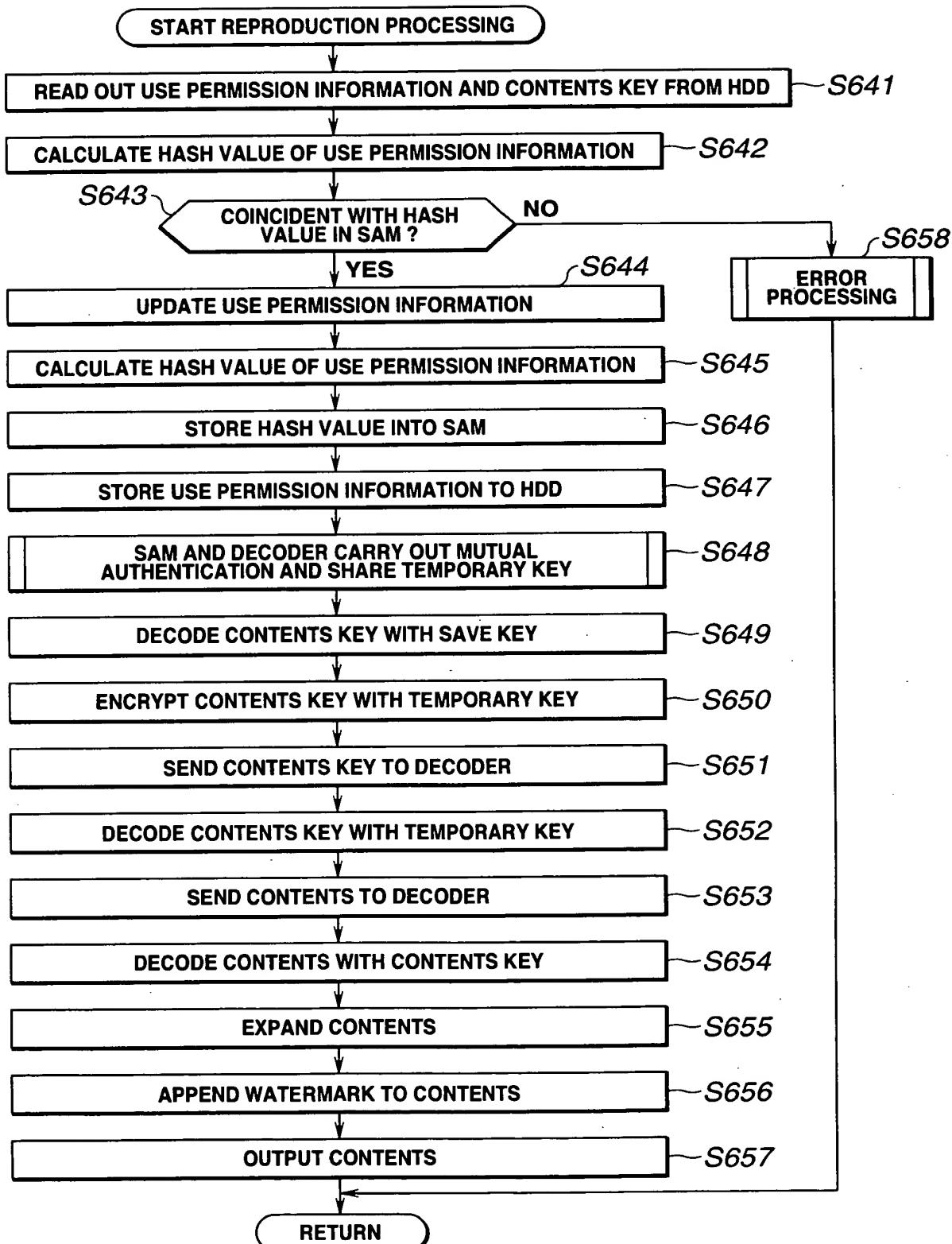


FIG.79

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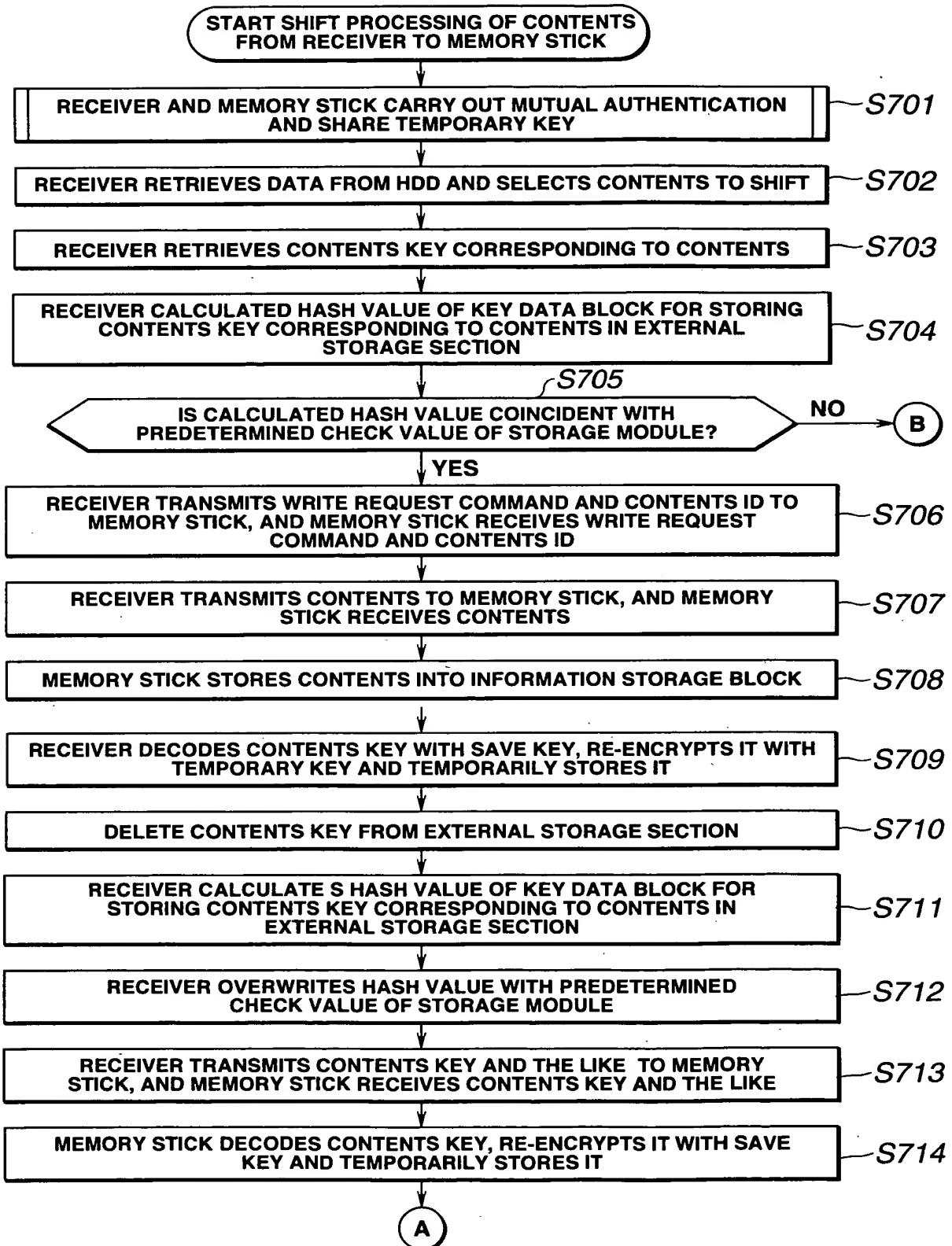


FIG.80

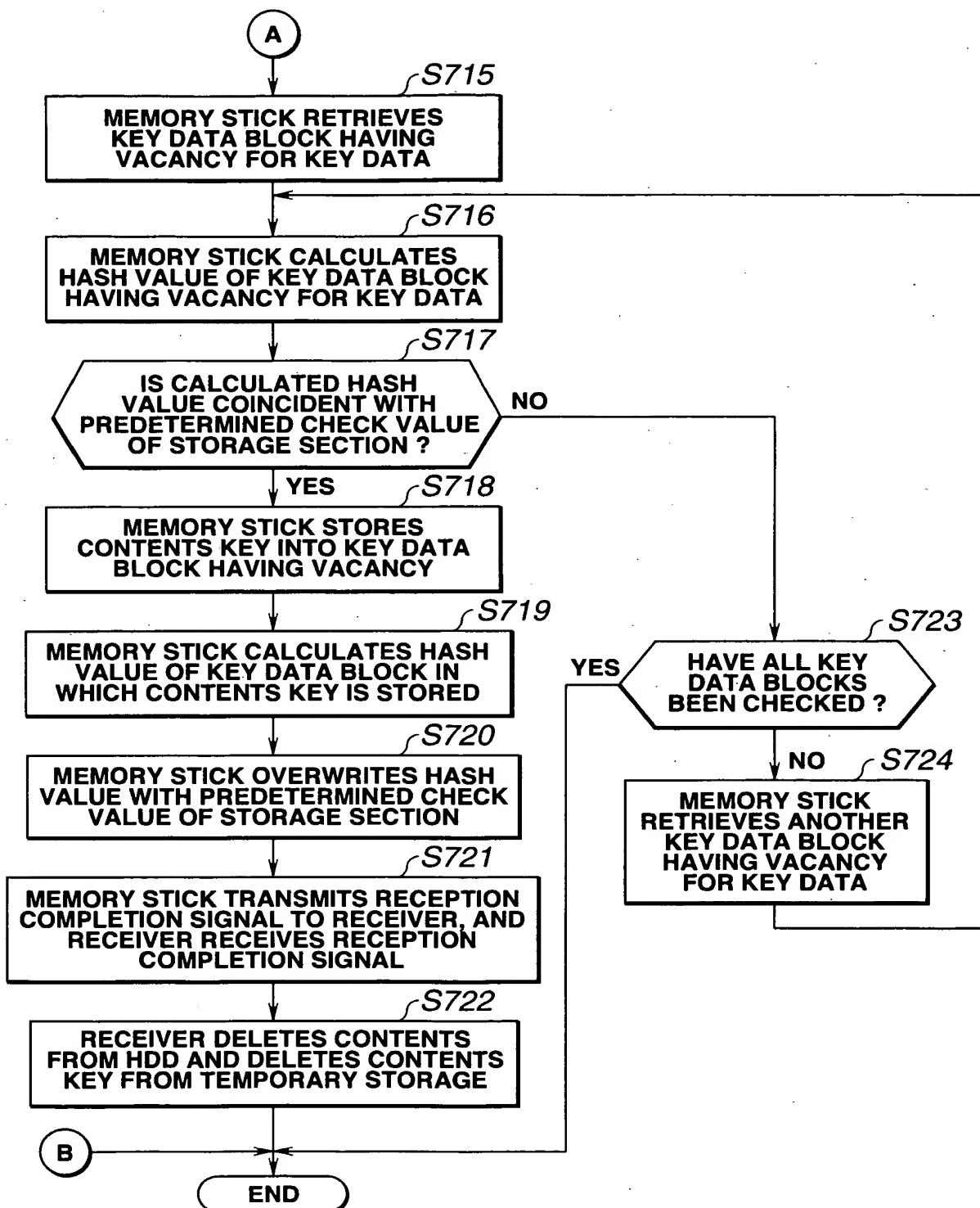


FIG.81

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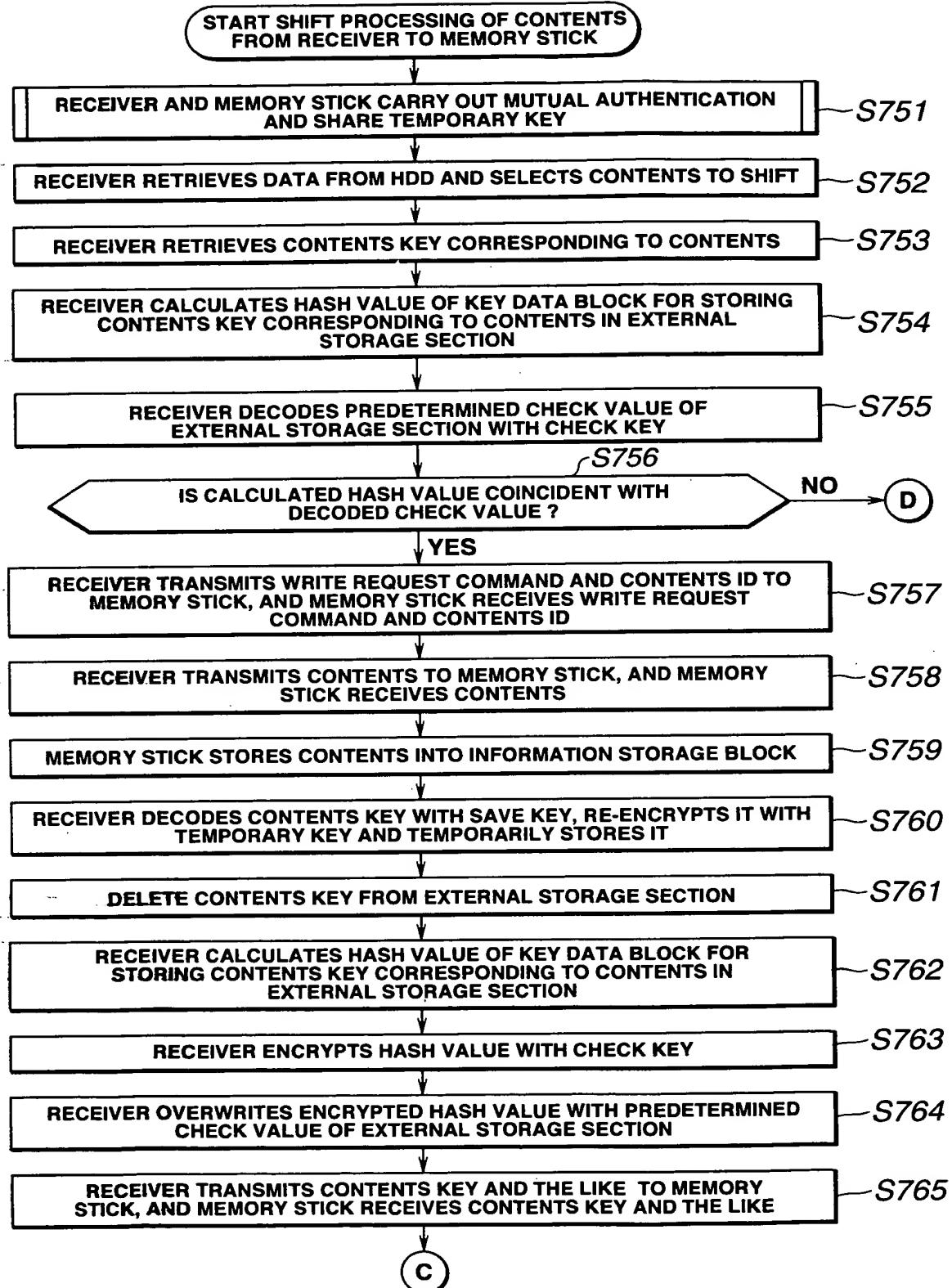


FIG.82

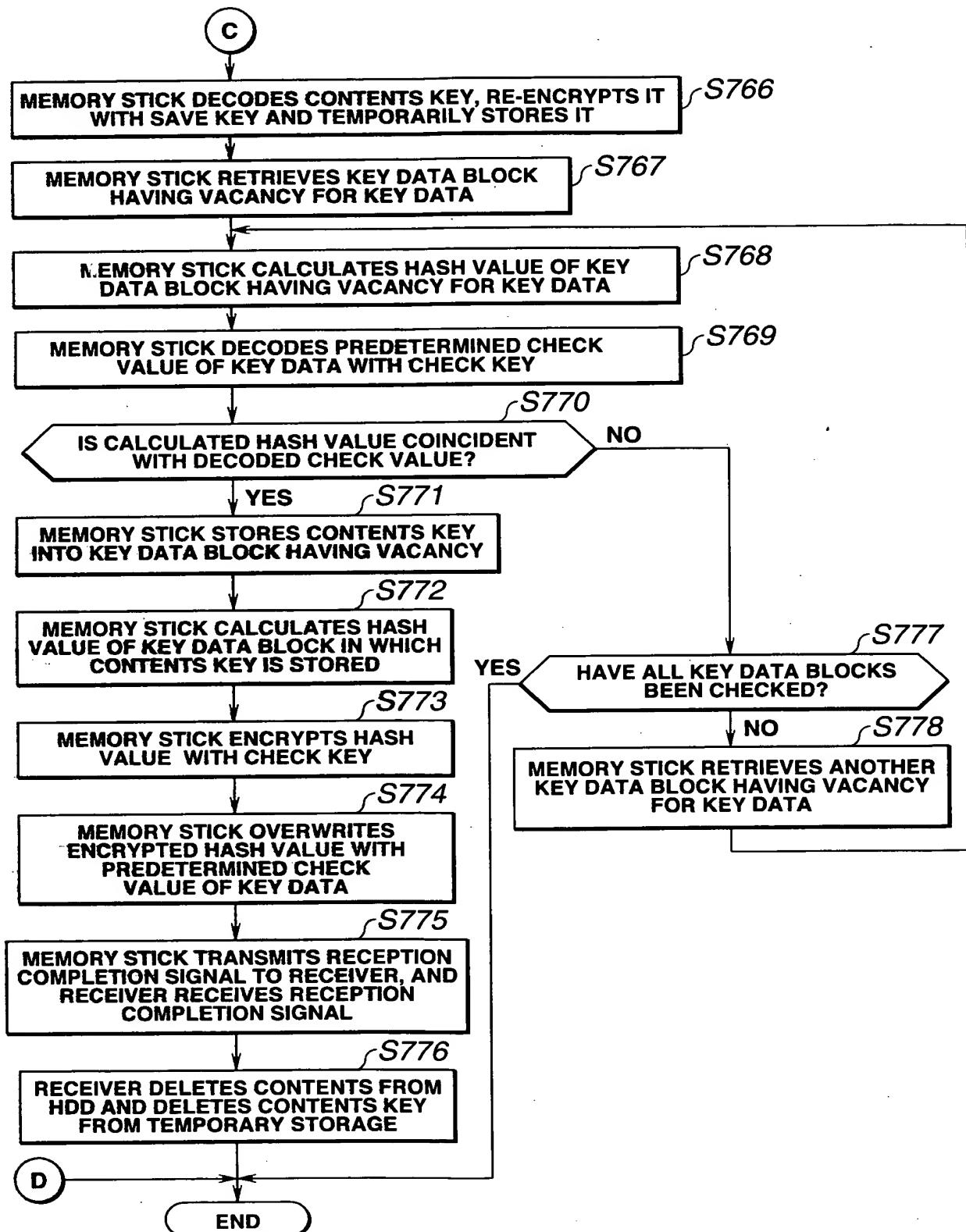


FIG.83

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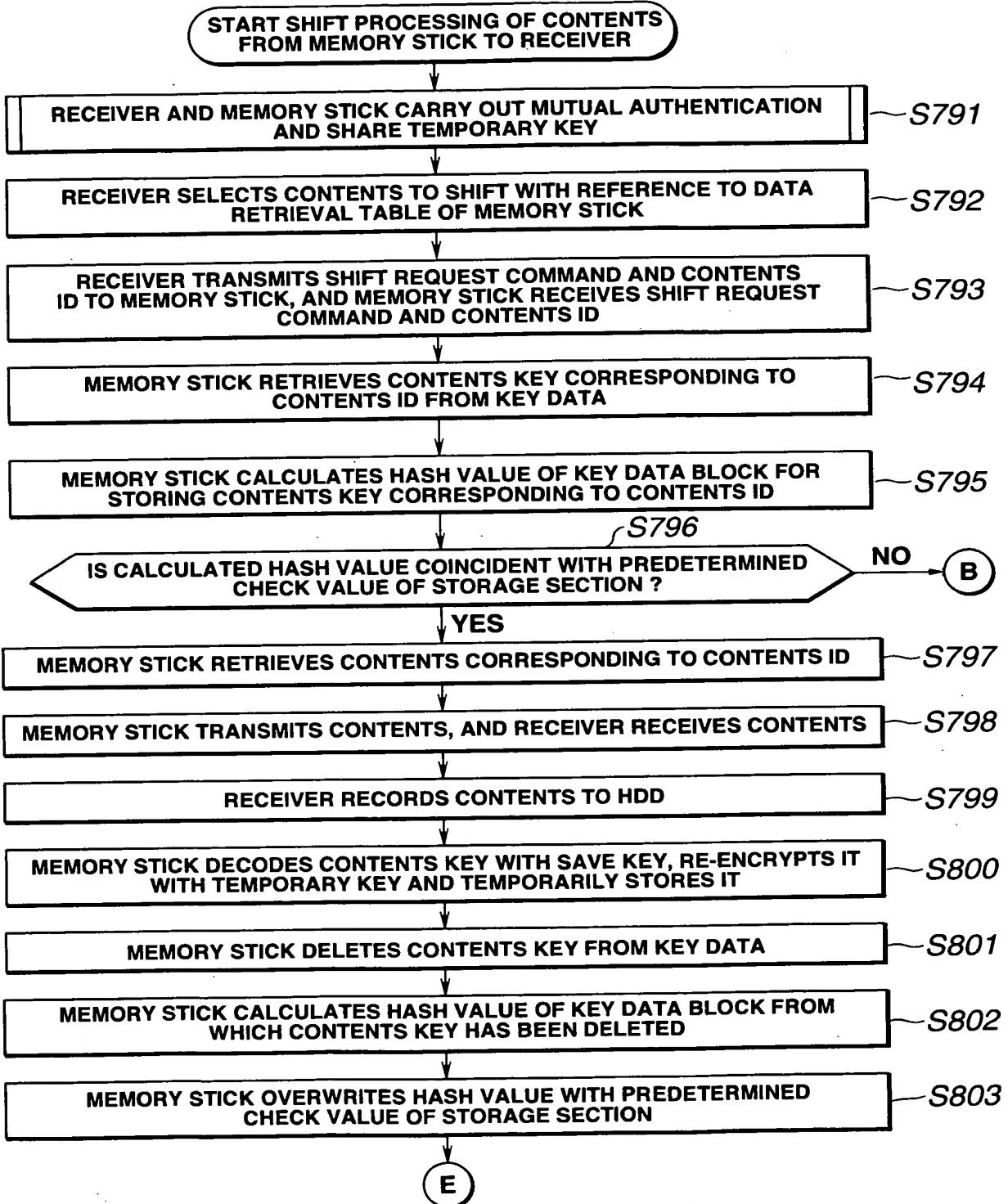


FIG.84

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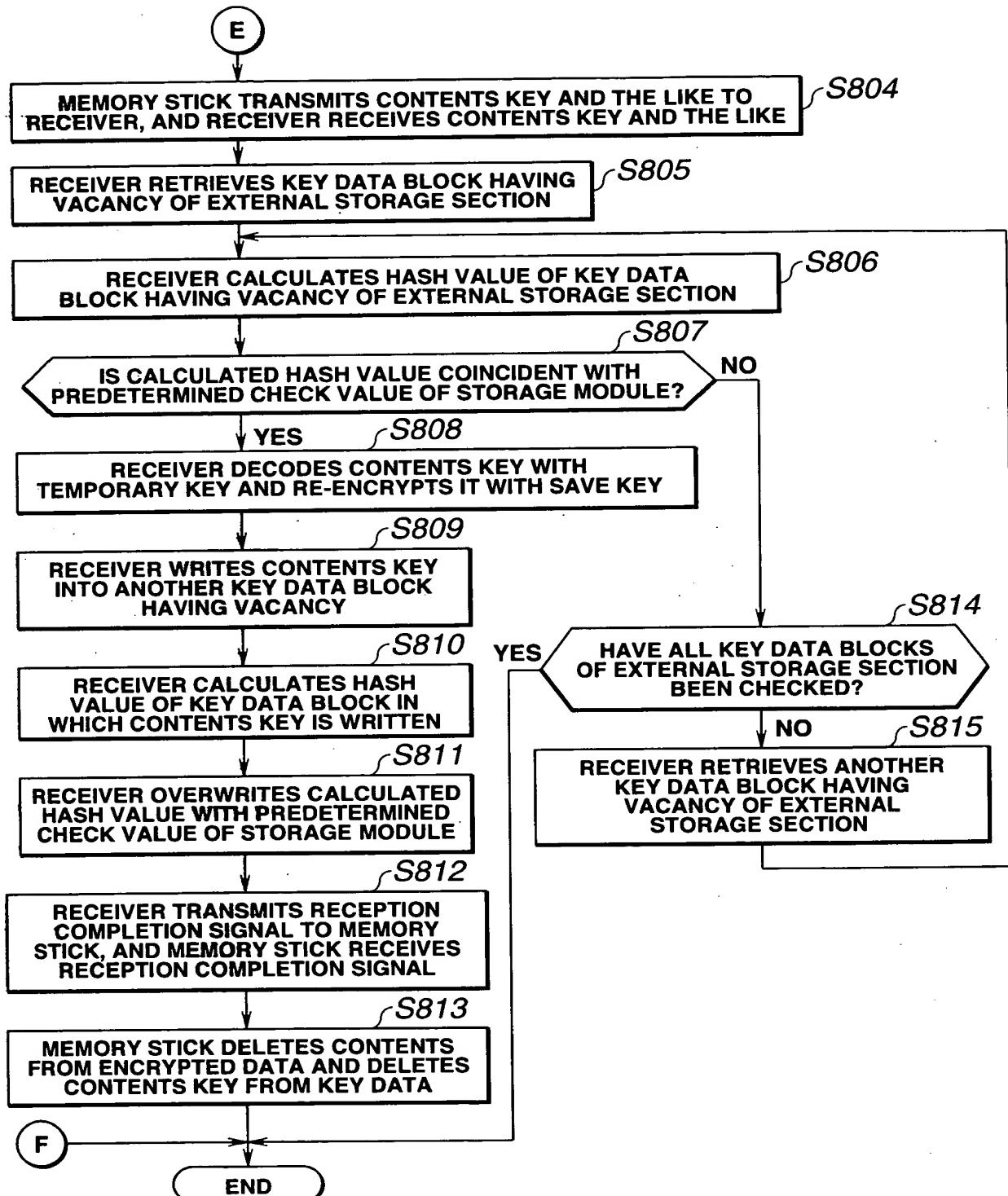
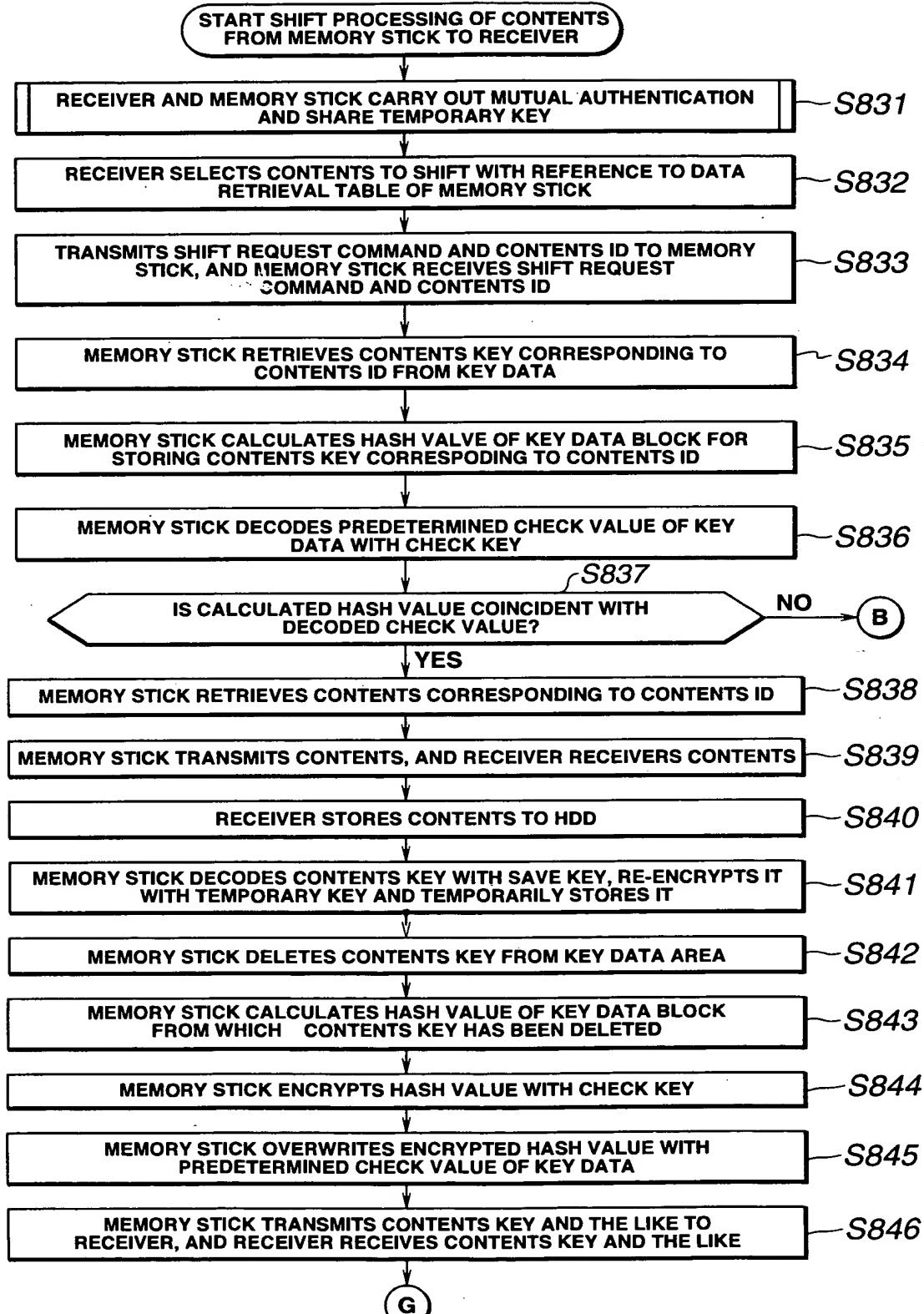


FIG.85

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**FIG.86**

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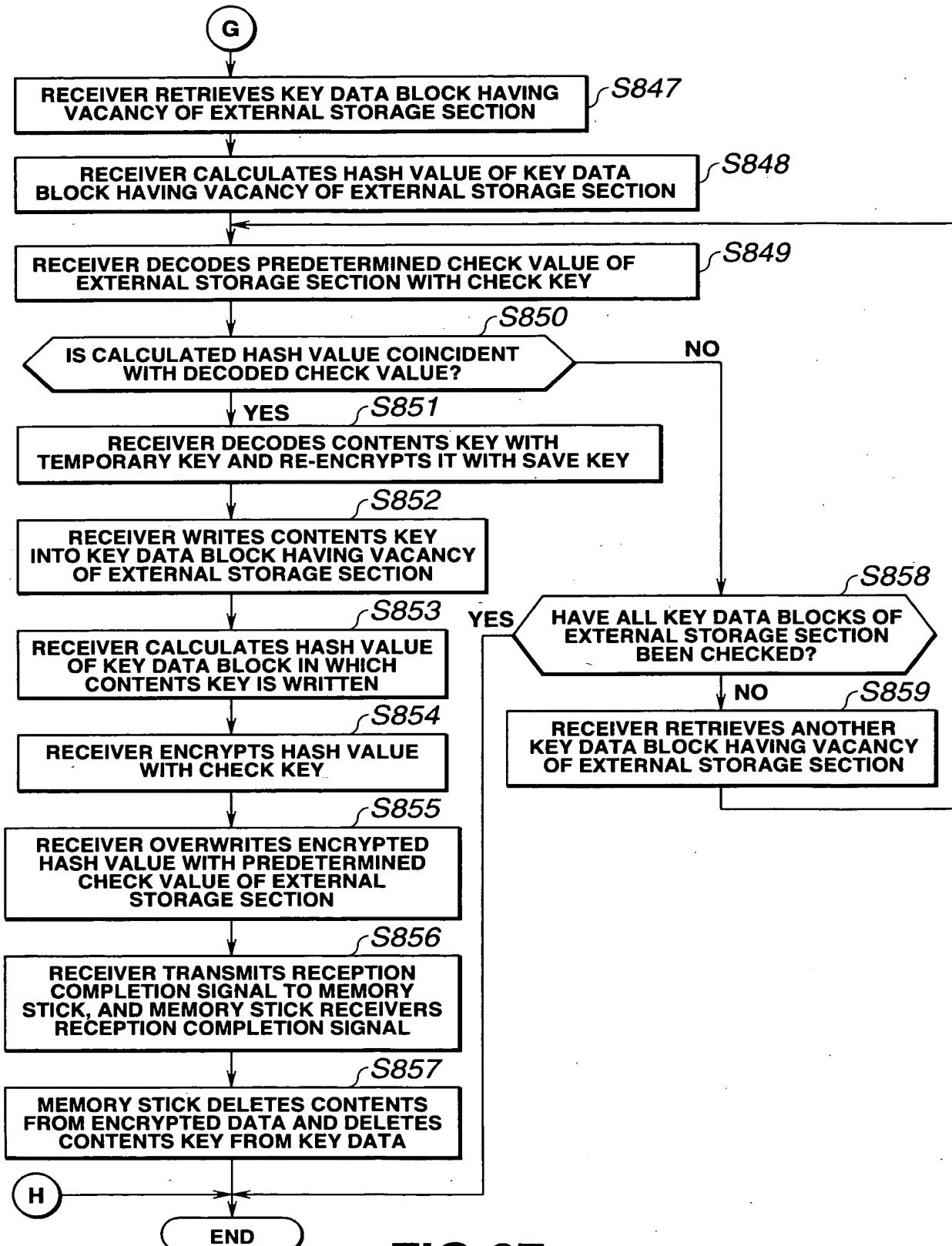


FIG.87

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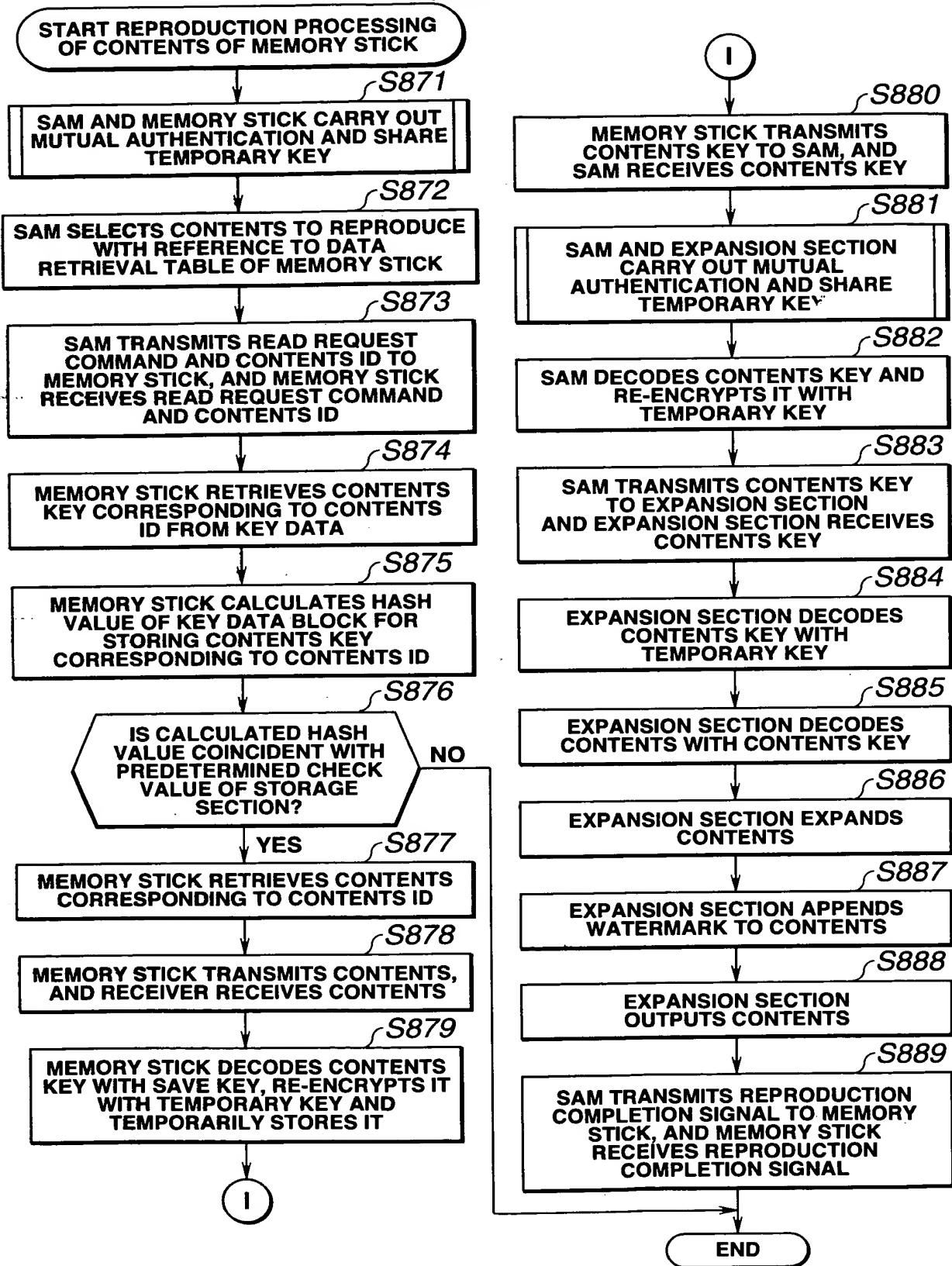


FIG.88

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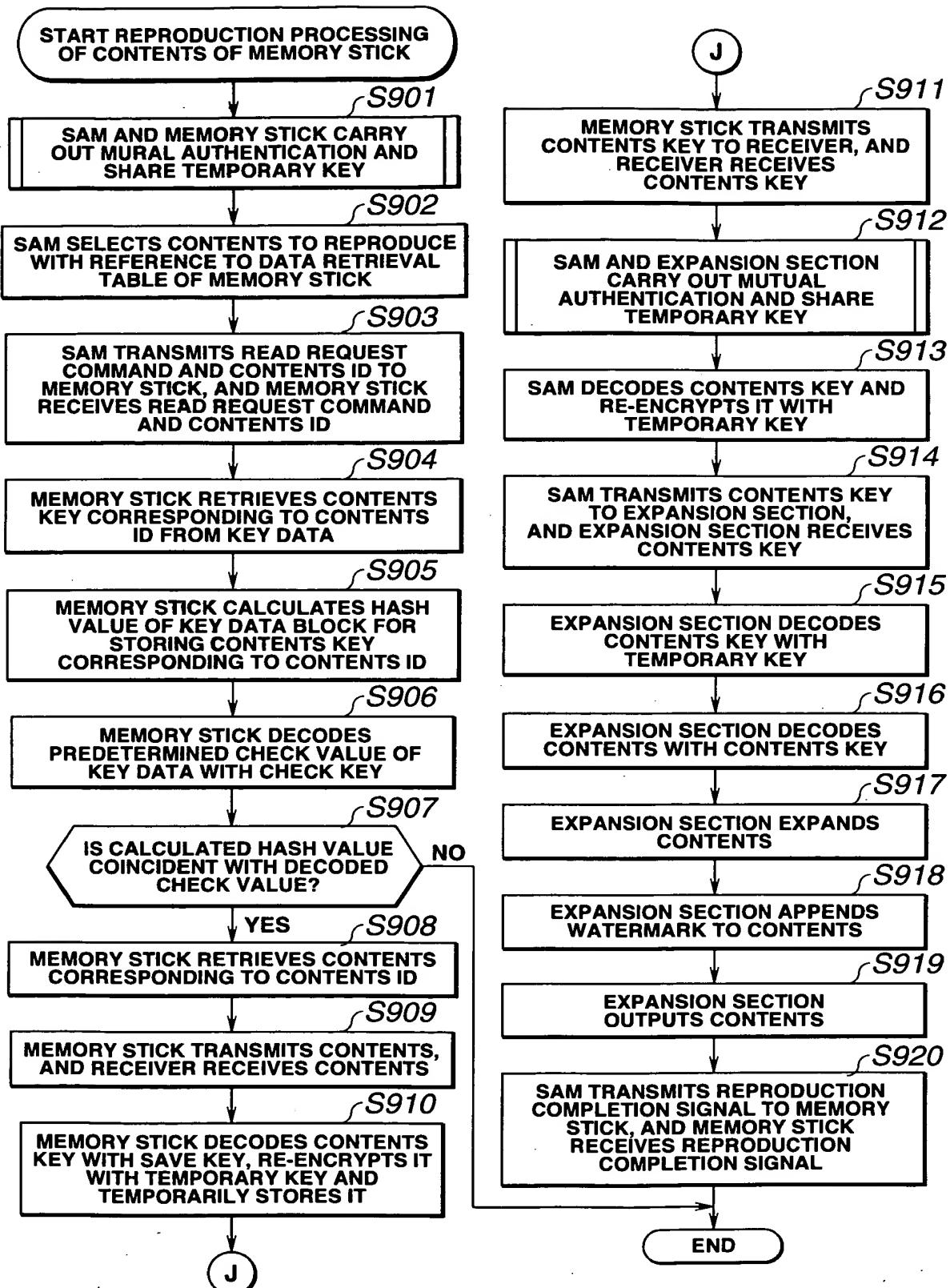


FIG.89